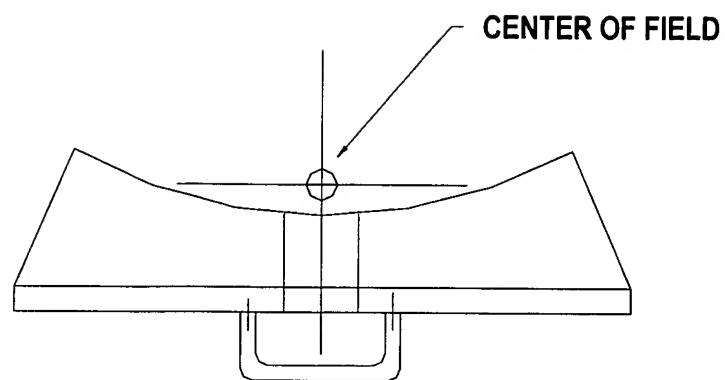
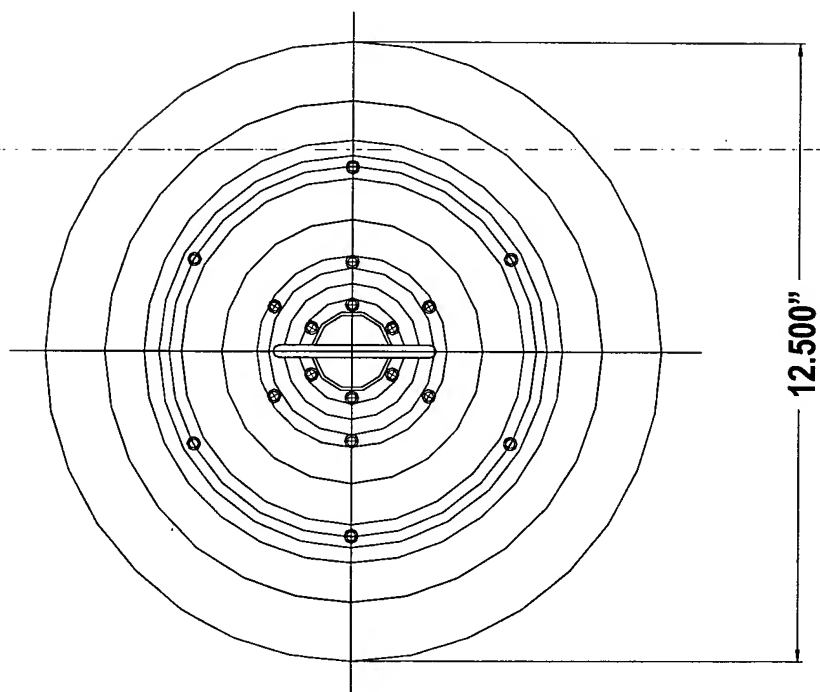


Fig. 1A



**Fig. 1B**



**Fig. 1C**

Fig. 2

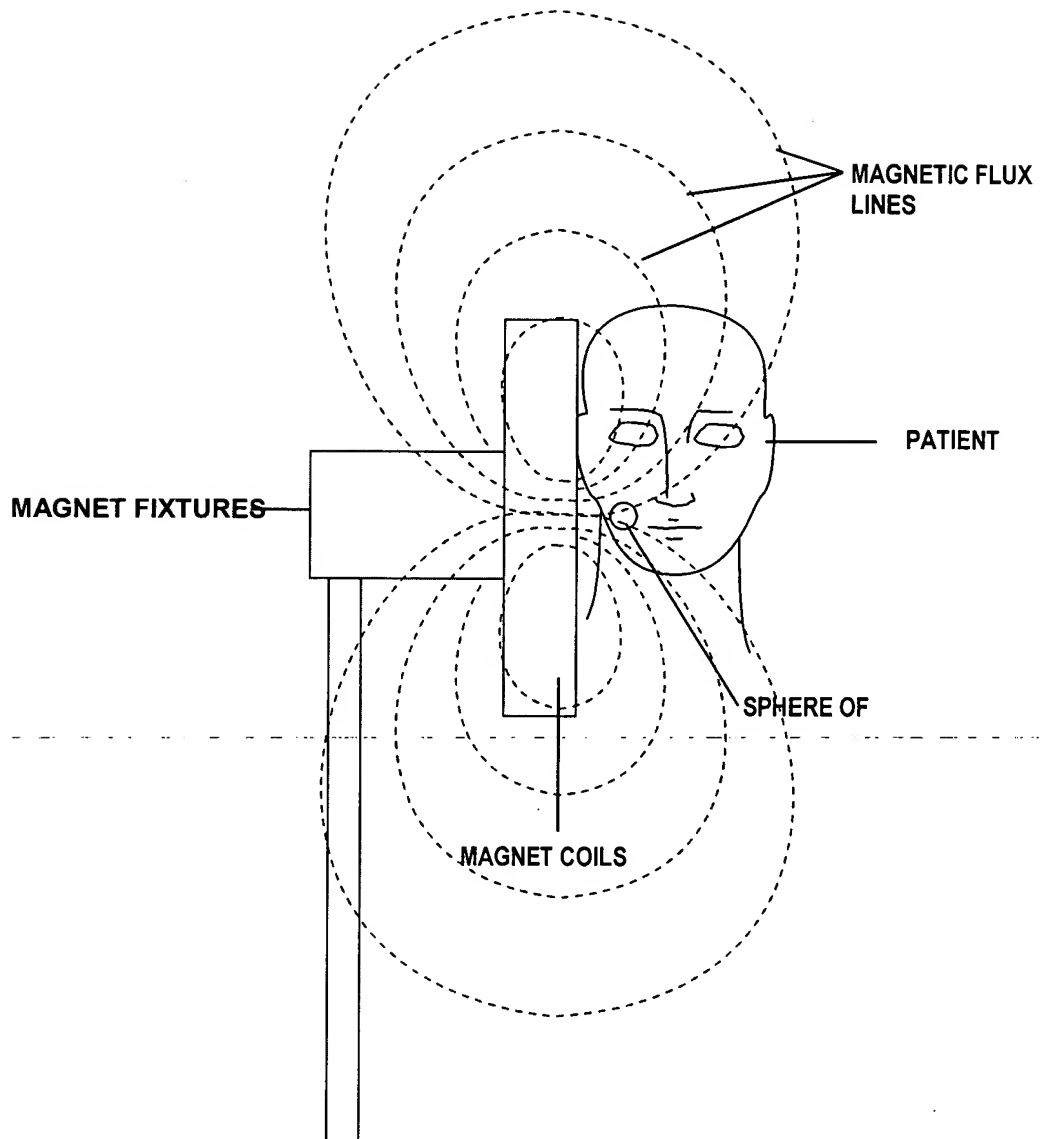




Fig. 3A

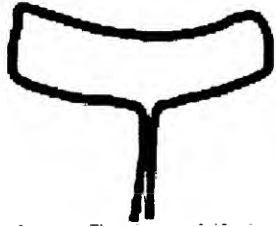


Fig. 3B

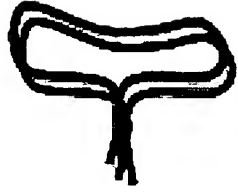


Fig. 3C

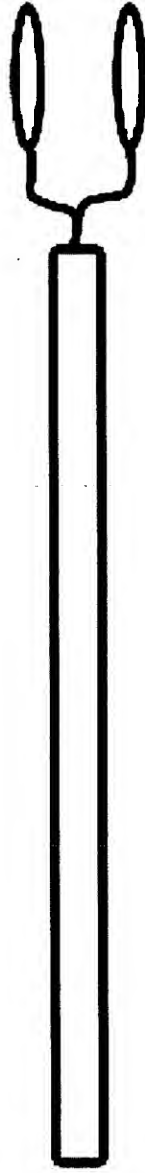


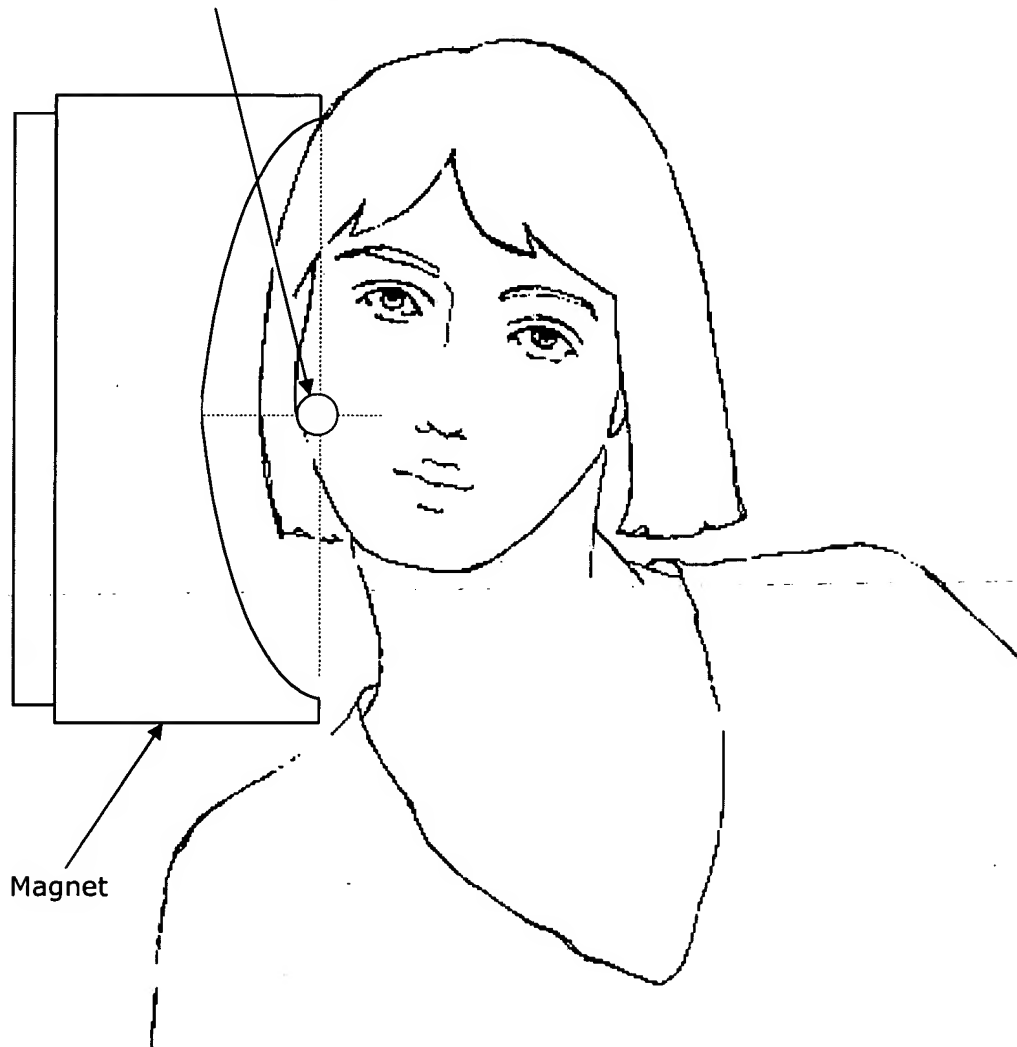
Fig. 3D



Fig. 3E

**Fig. 4**

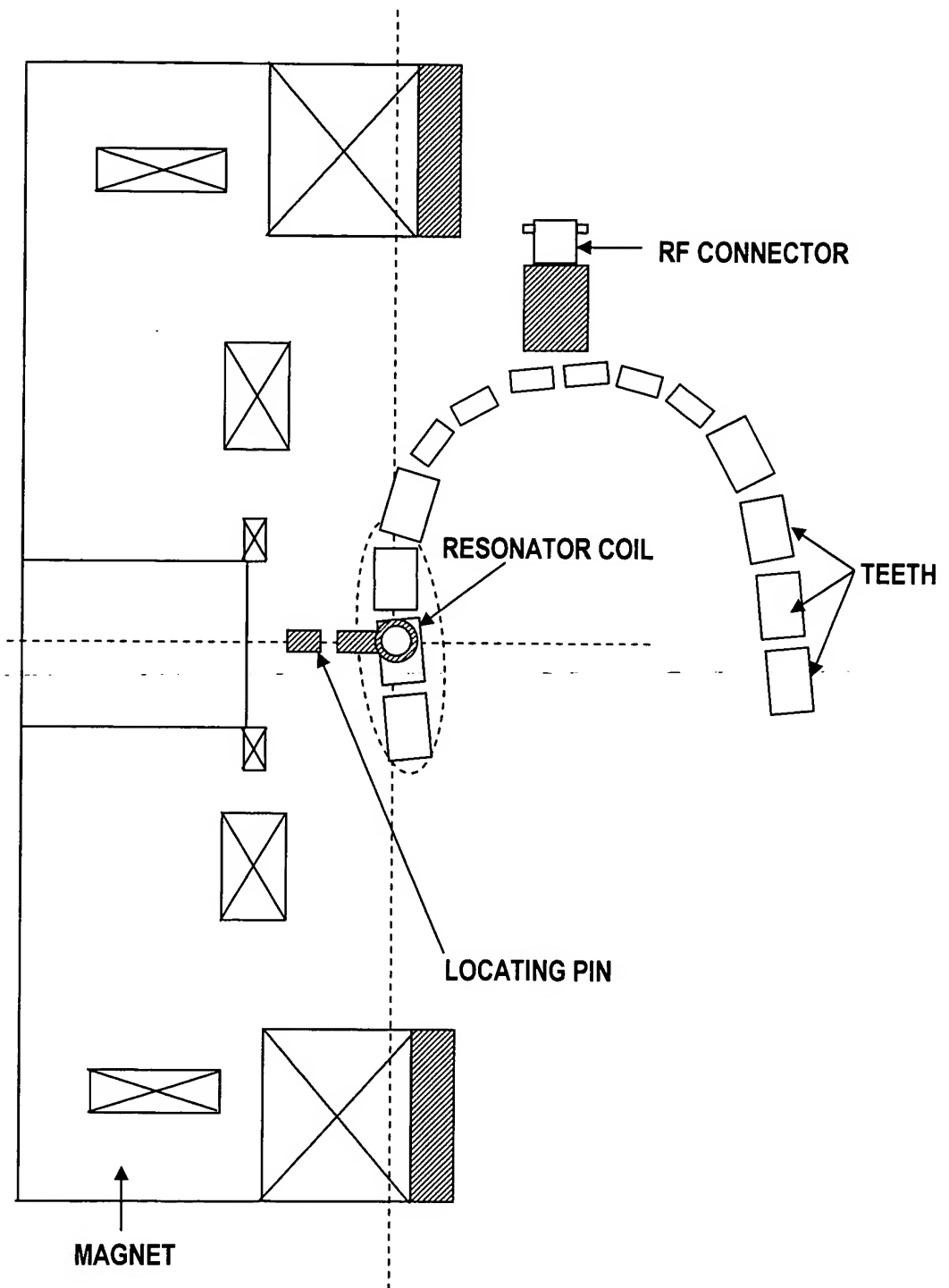
Region of homogeneous magnetic field



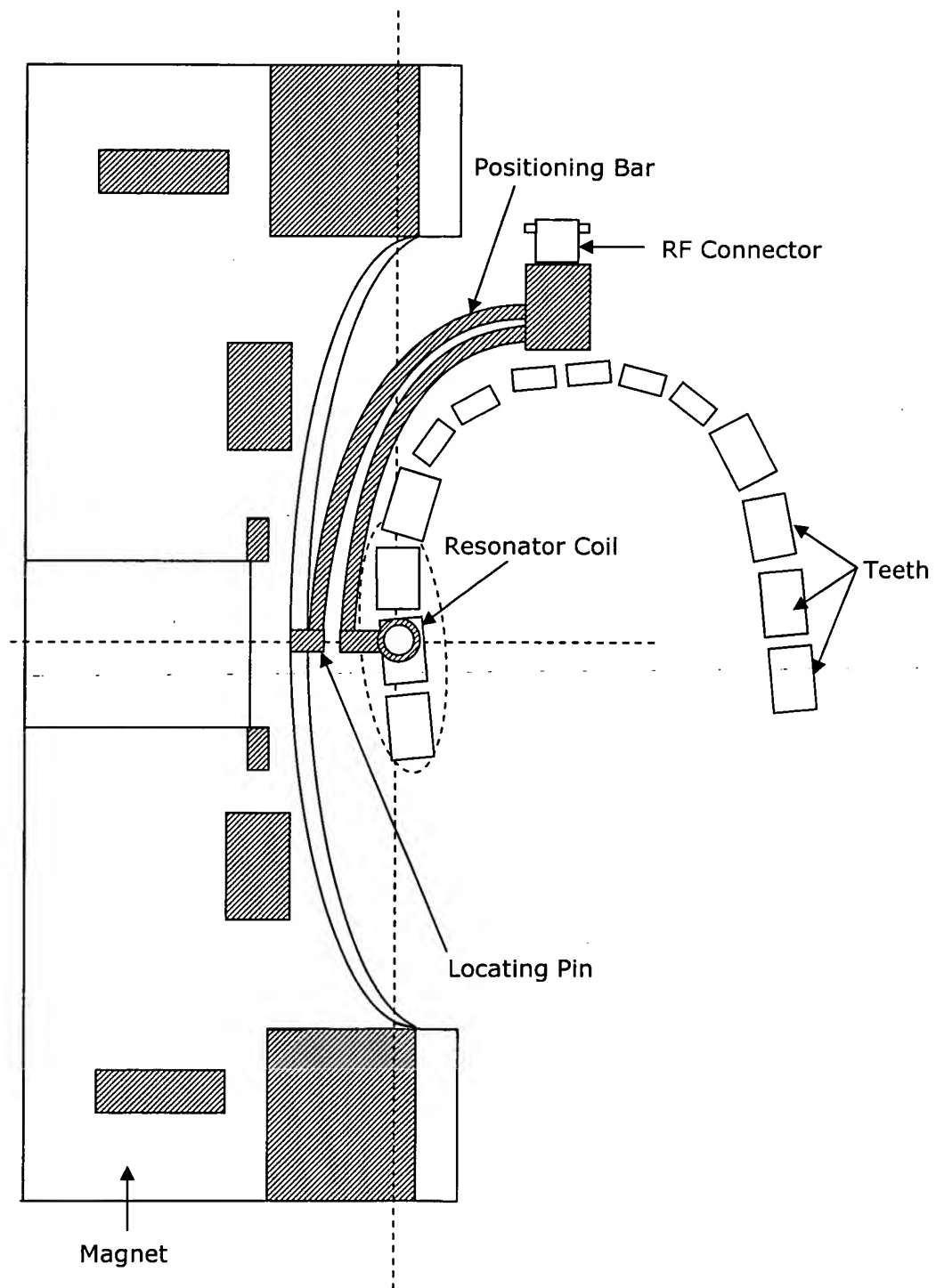
Magnet

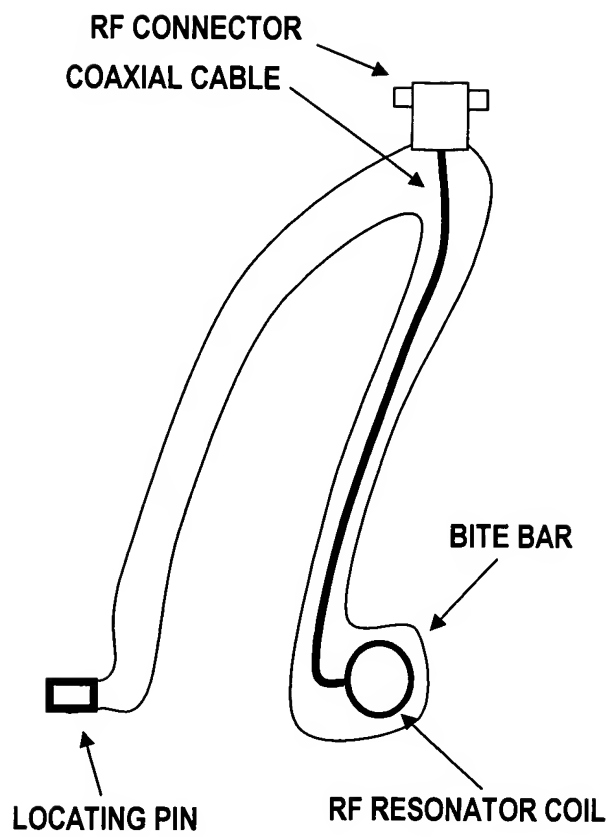
Patient, positioned data acquisition

**Fig. 5A**



**Fig. 5B**

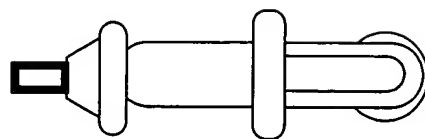




**Fig. 6A**



**Fig. 6B**



**Fig. 6C**



Fig. 7A

## SPECTRA FROM LOW DOSE IRRADIATION OF TEETH

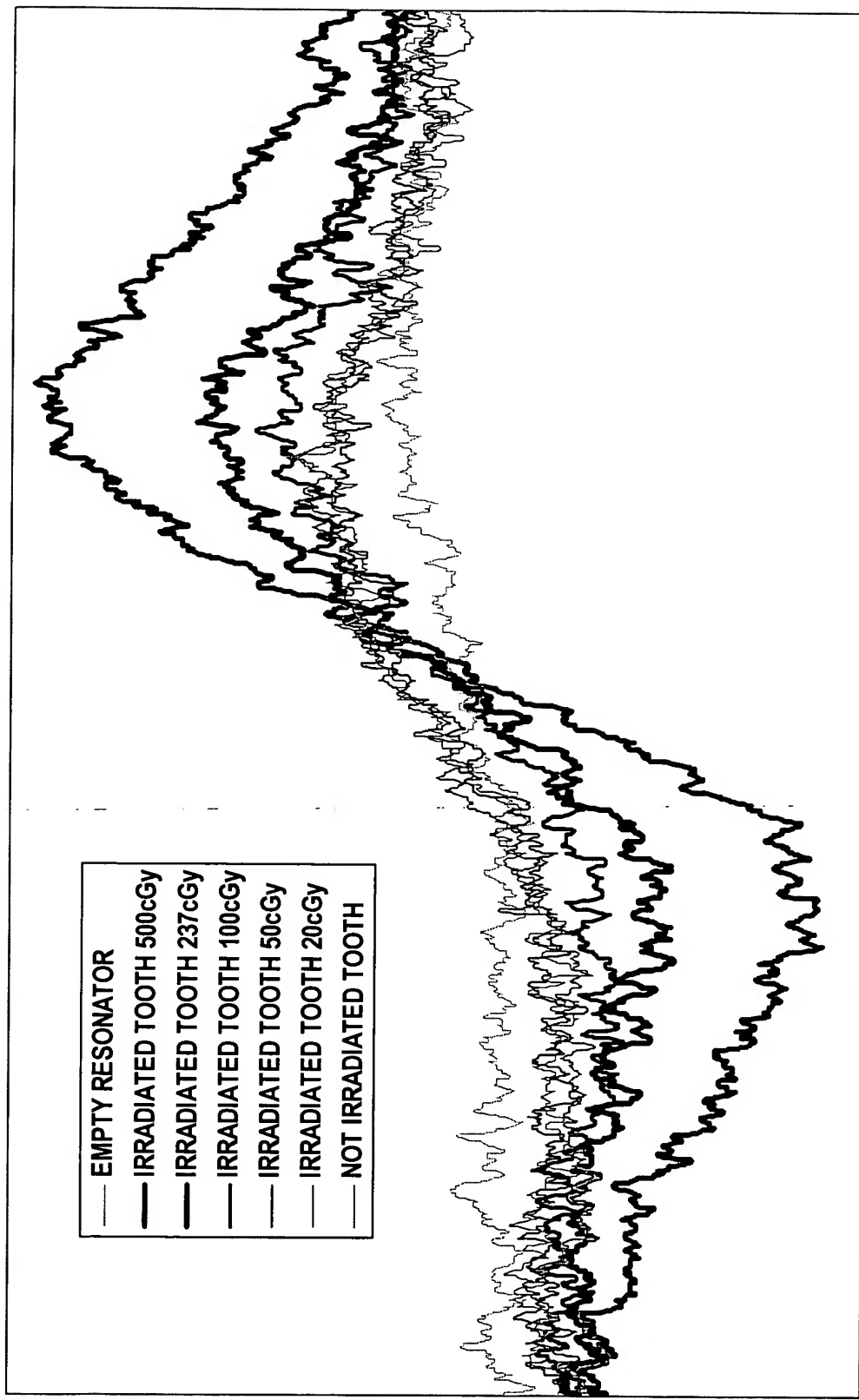


Fig. 7B

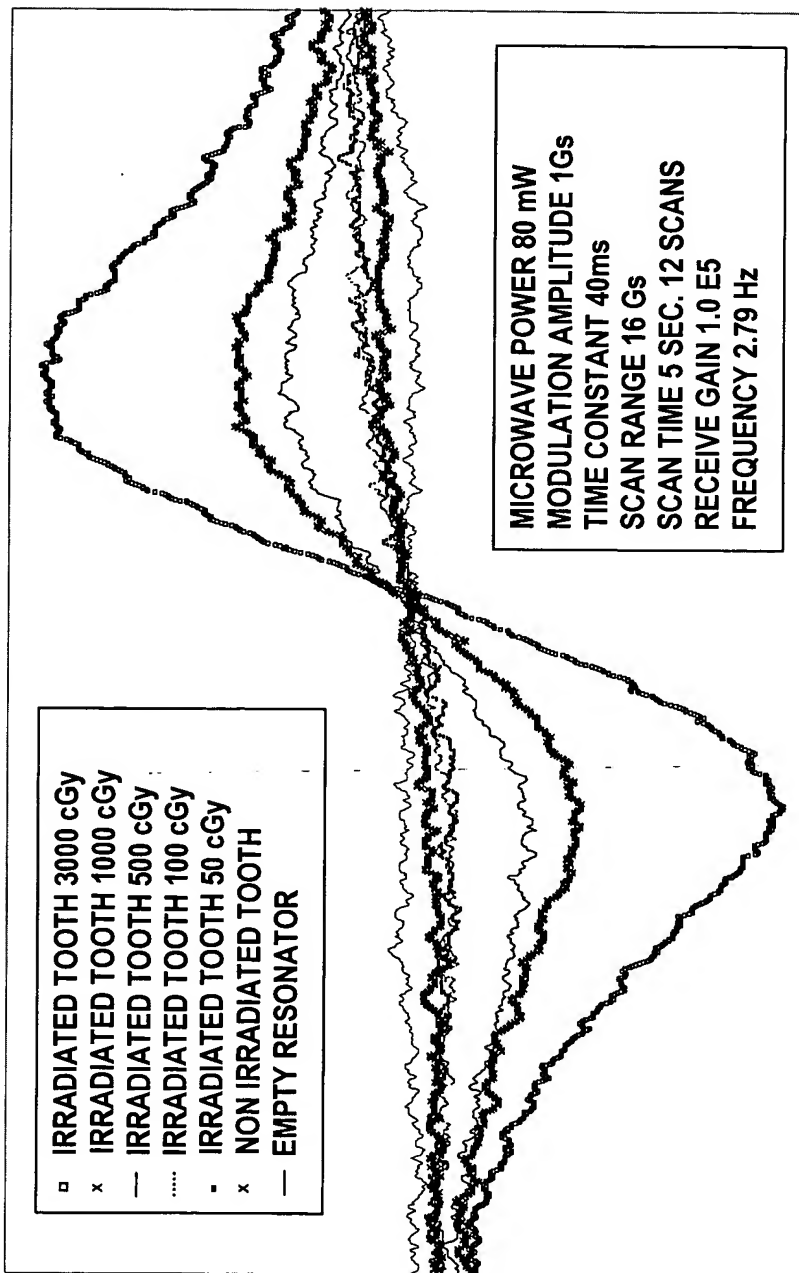
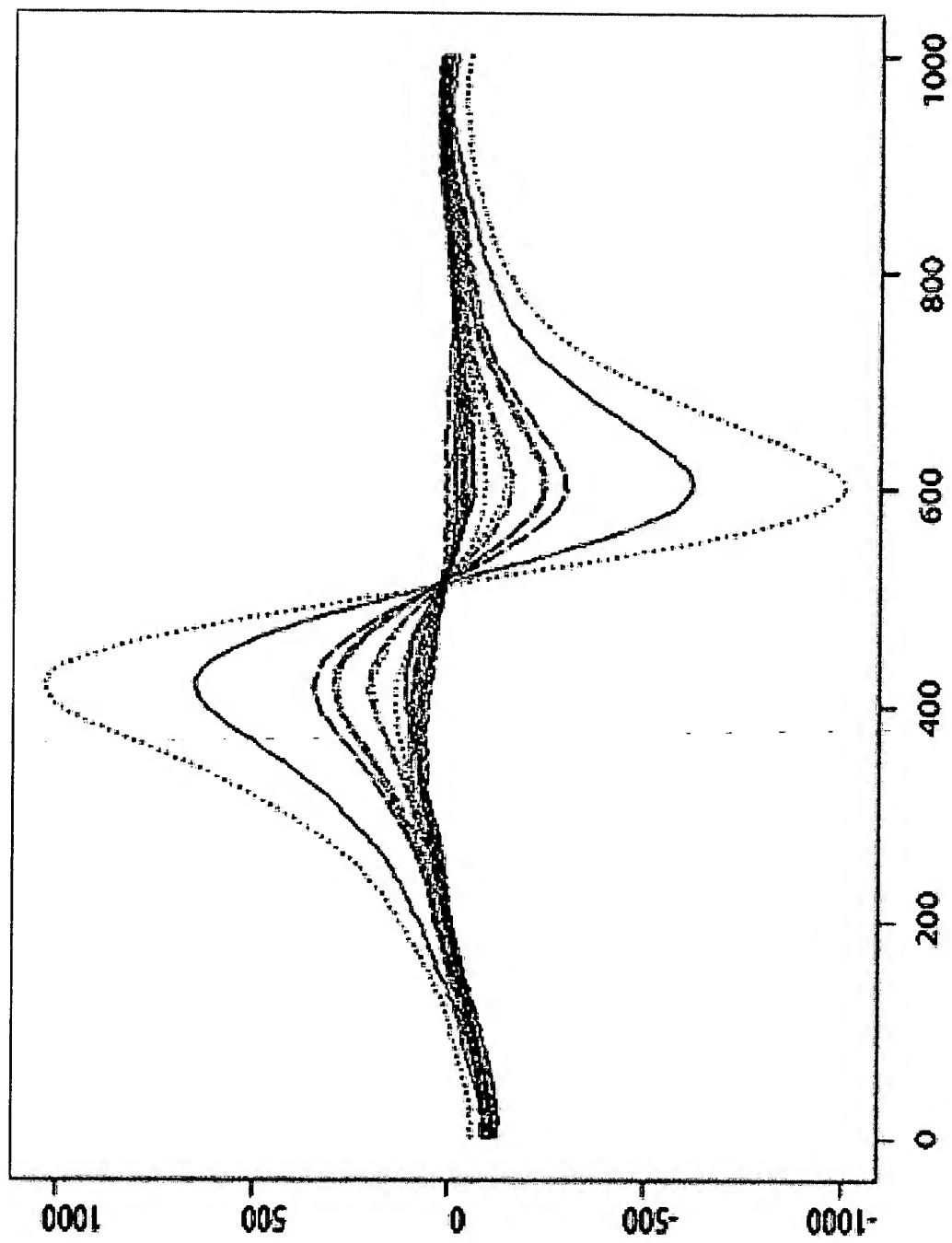


Fig. 8



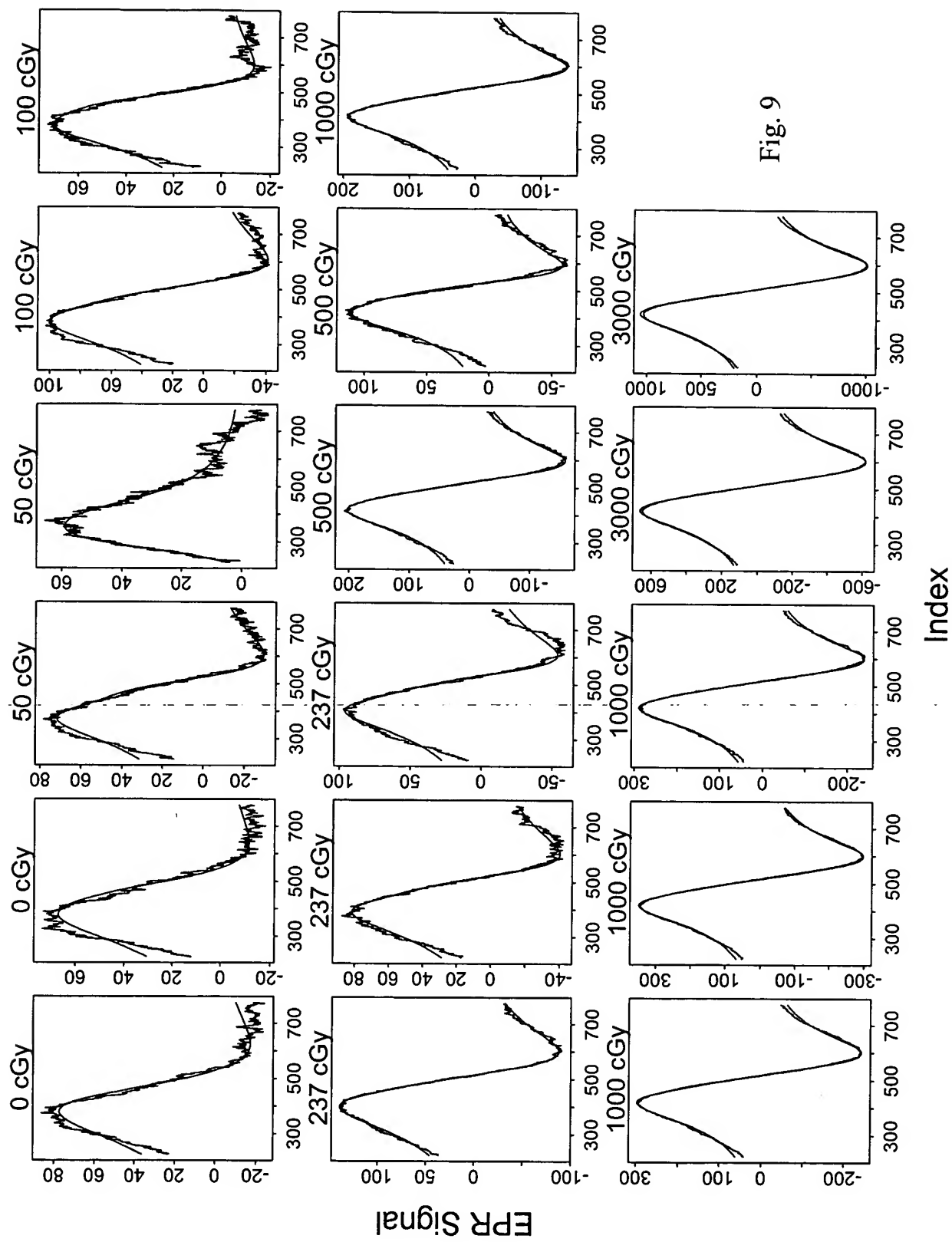
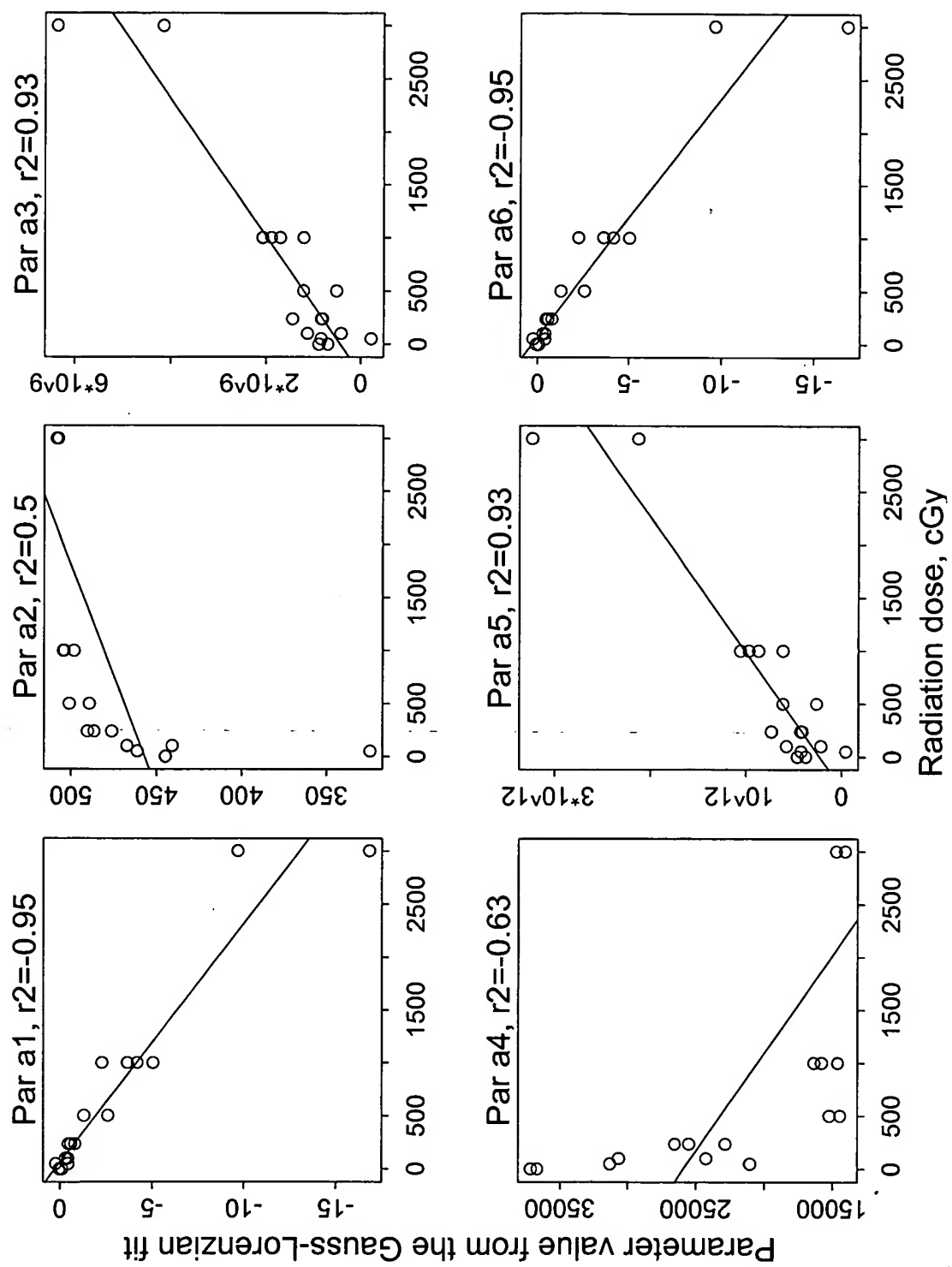
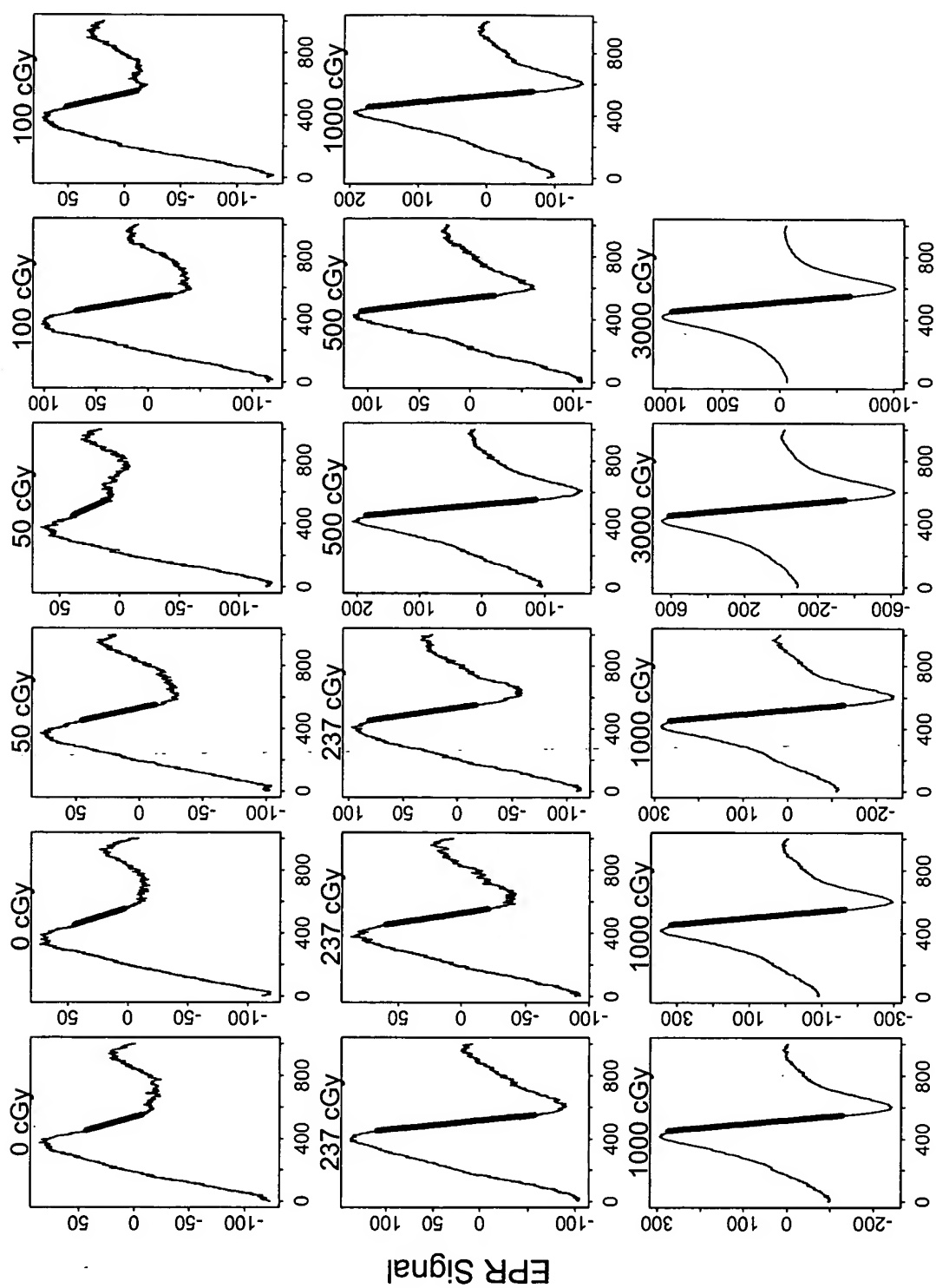


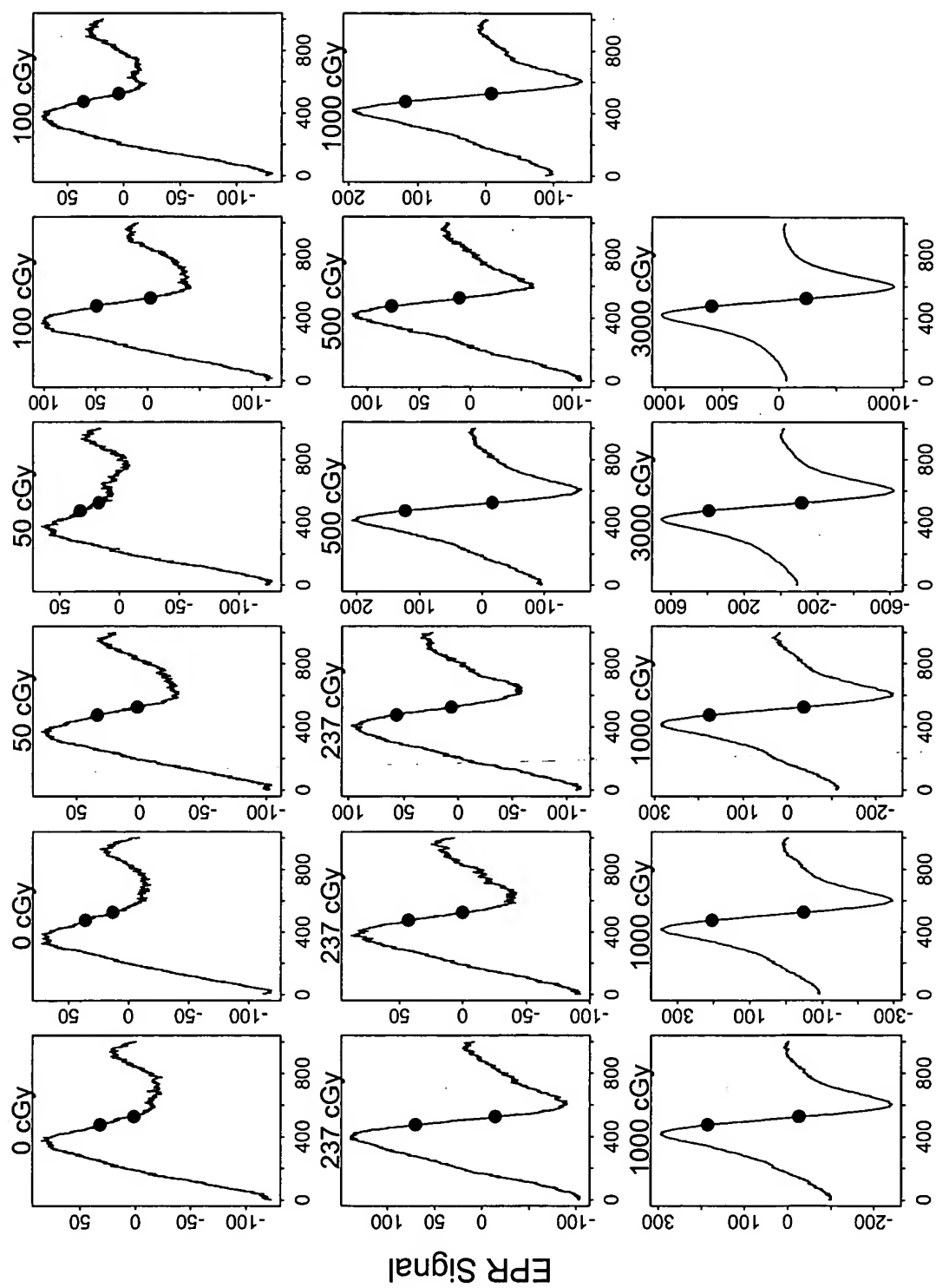
Fig. 9



**Fig. 10**



**Fig. 11**



**Fig. 12**

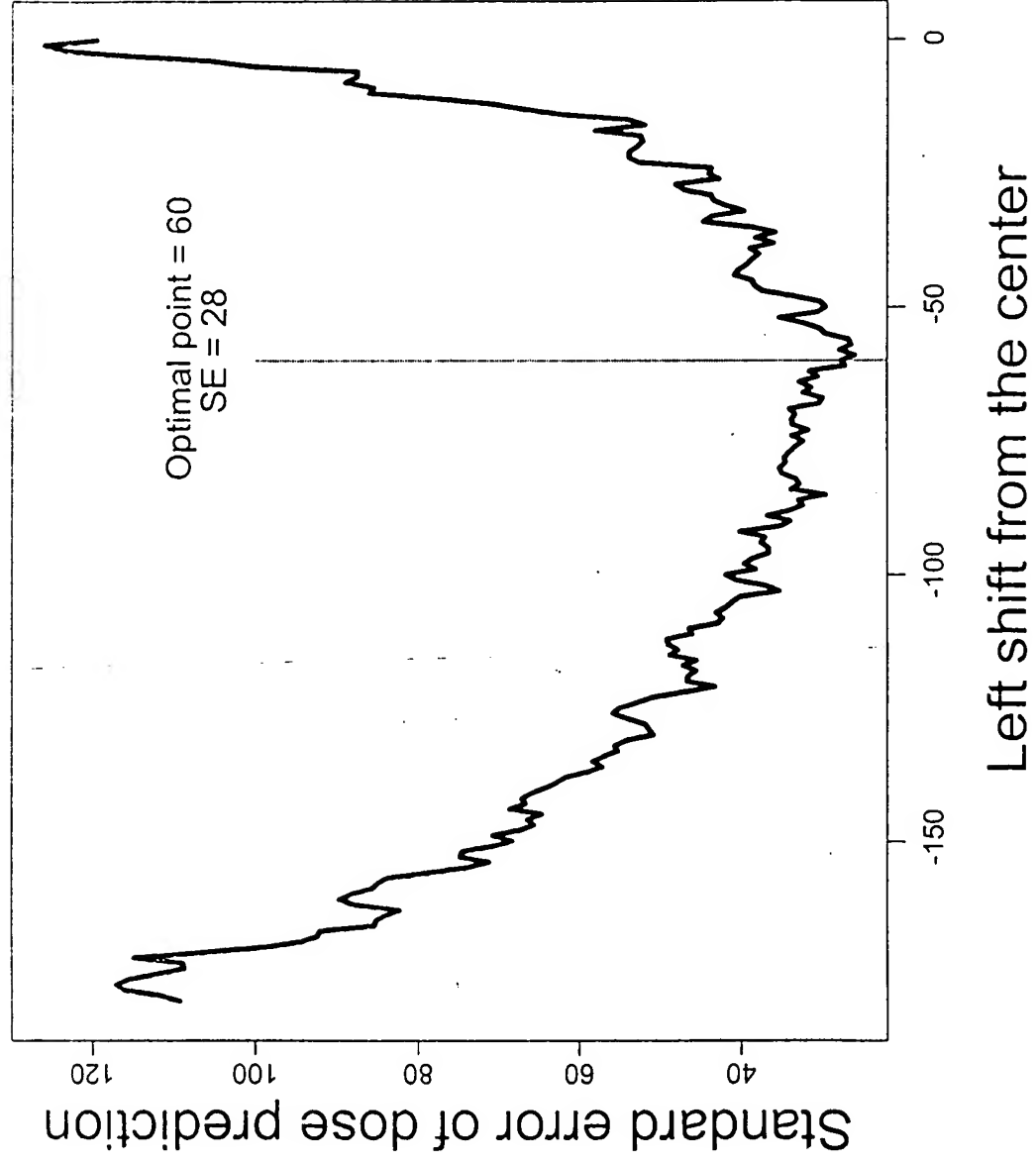


Fig. 13



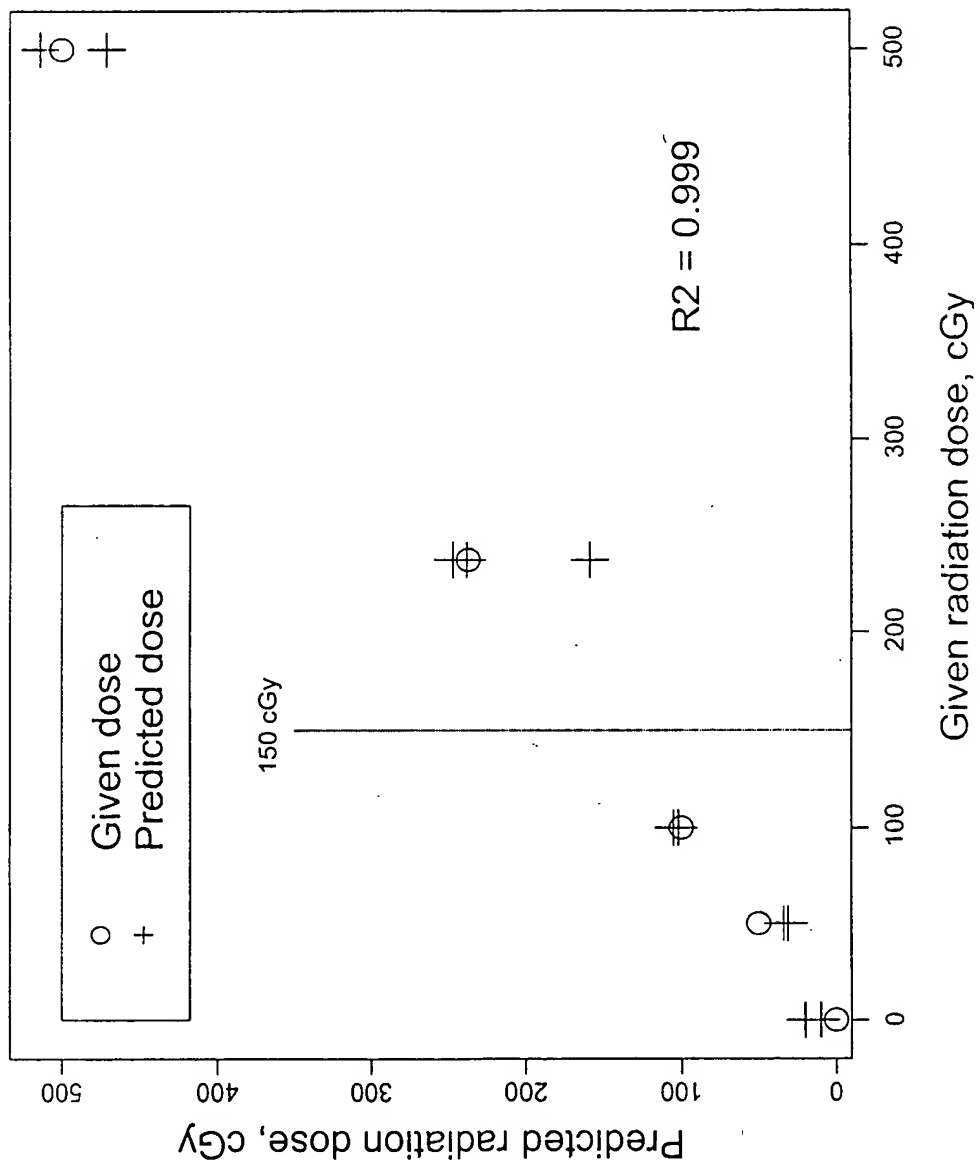


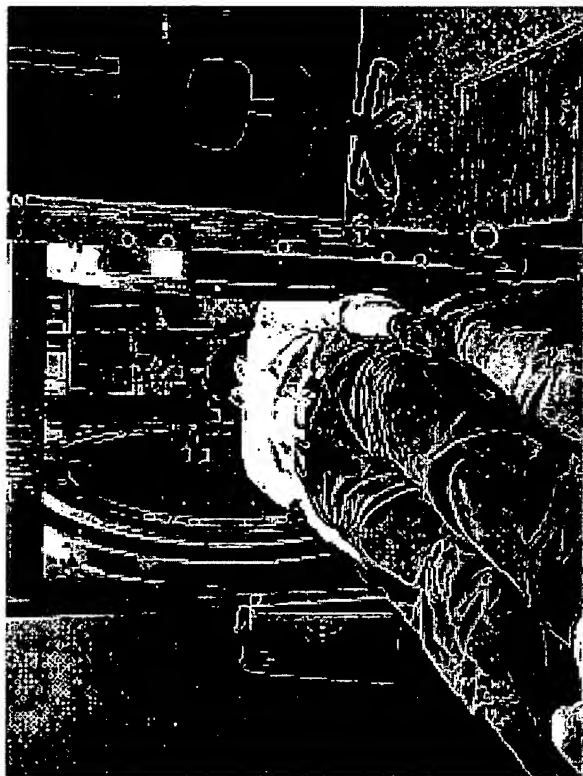
Fig. 14



**Fig. 15A**



**Fig. 15C**



**Fig. 15B**

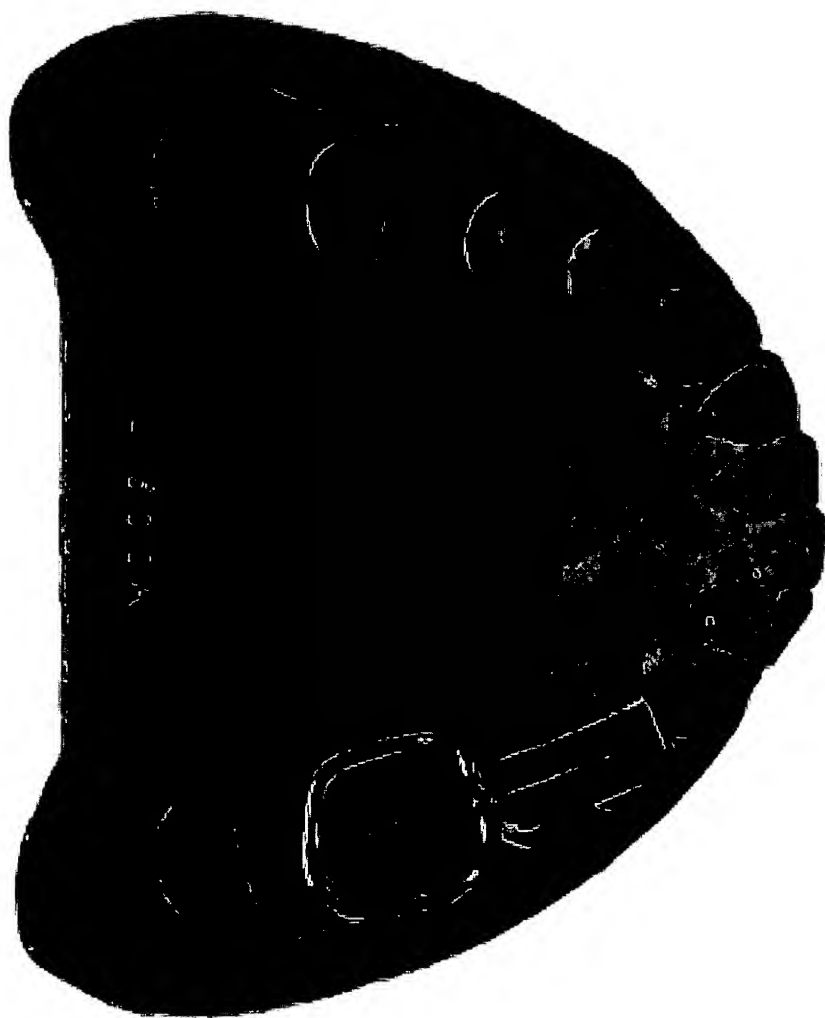
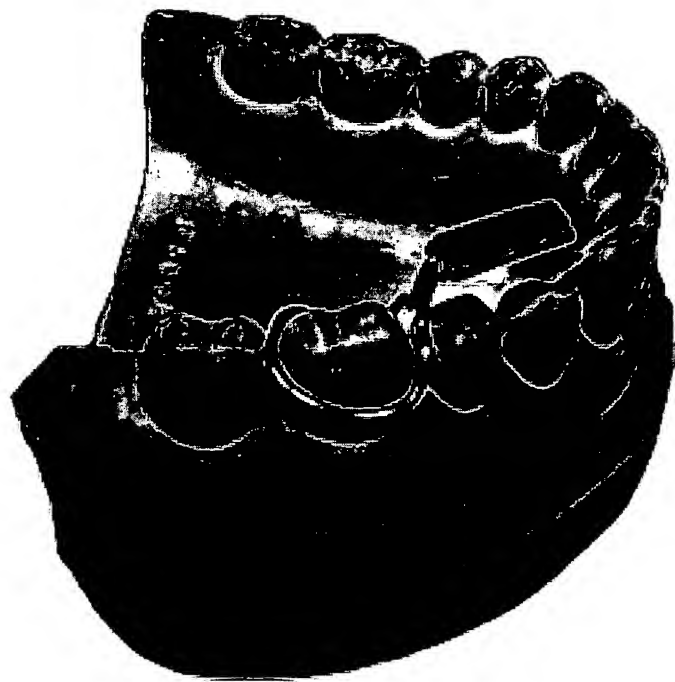


Fig. 16A

**Fig. 16B**



**Fig.16C**



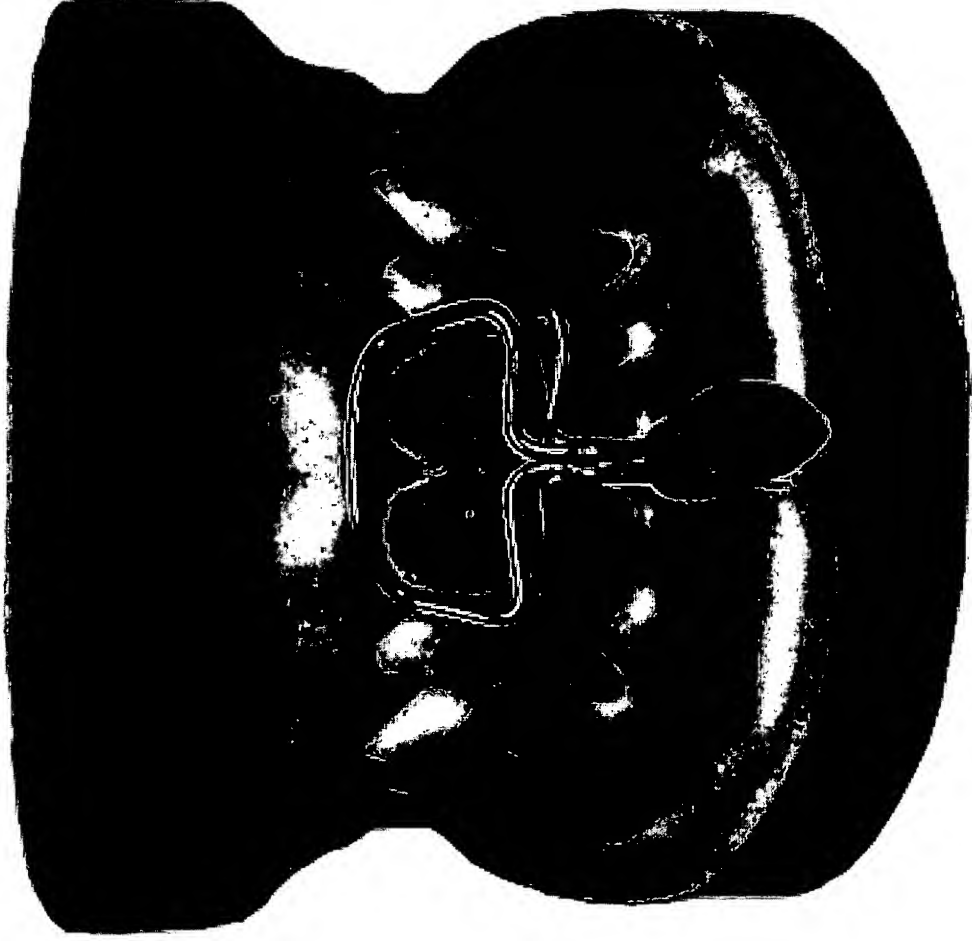
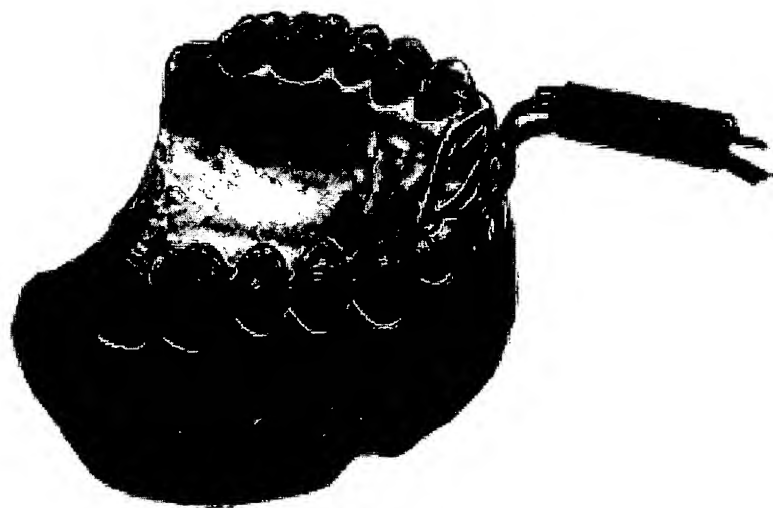


Fig. 17A

**Fig. 17B**



**Fig.17C**



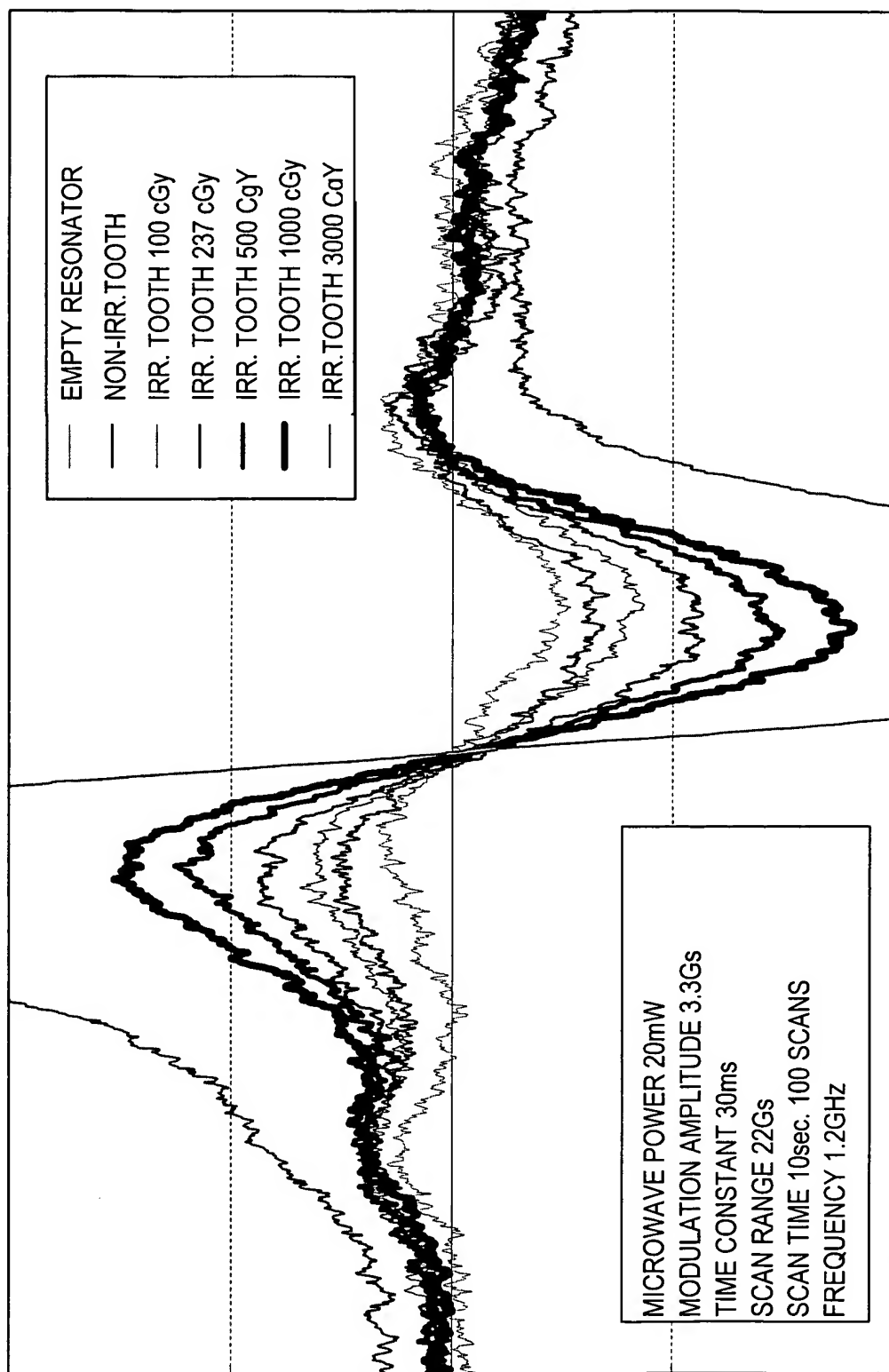


Fig. 18



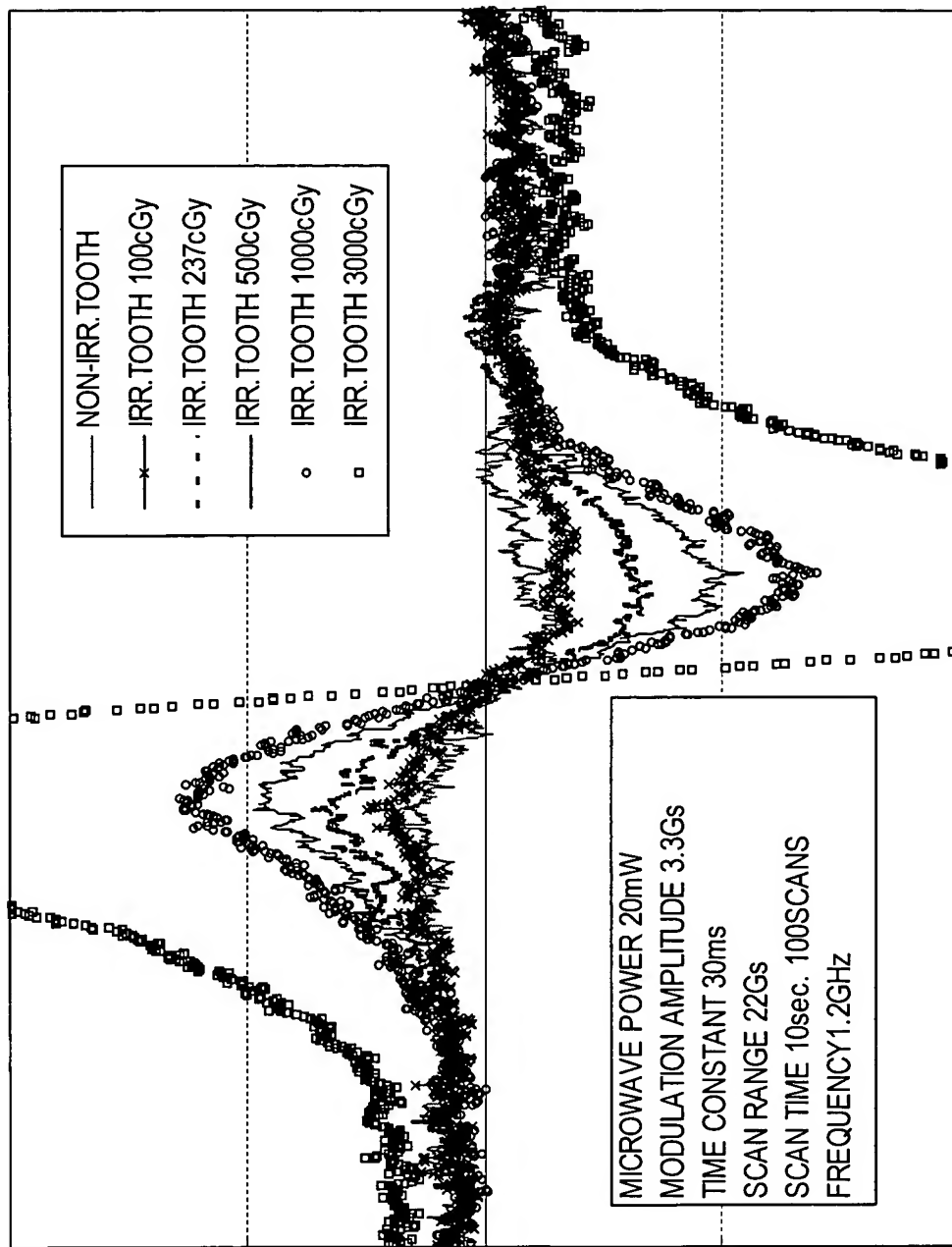


Fig. 19

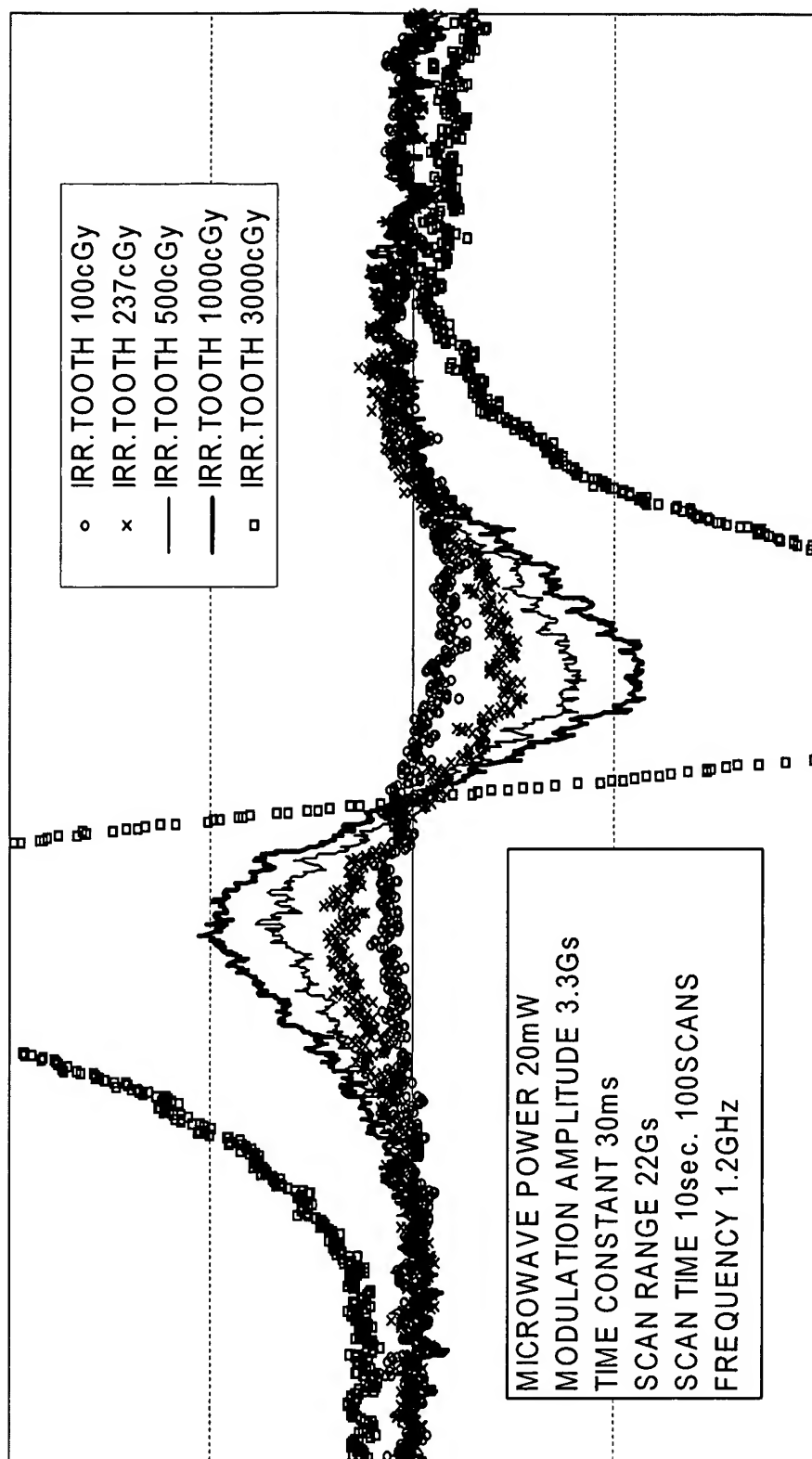
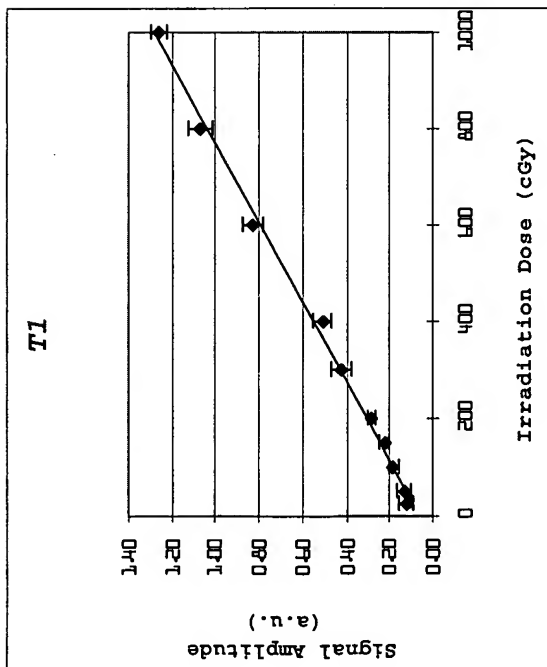
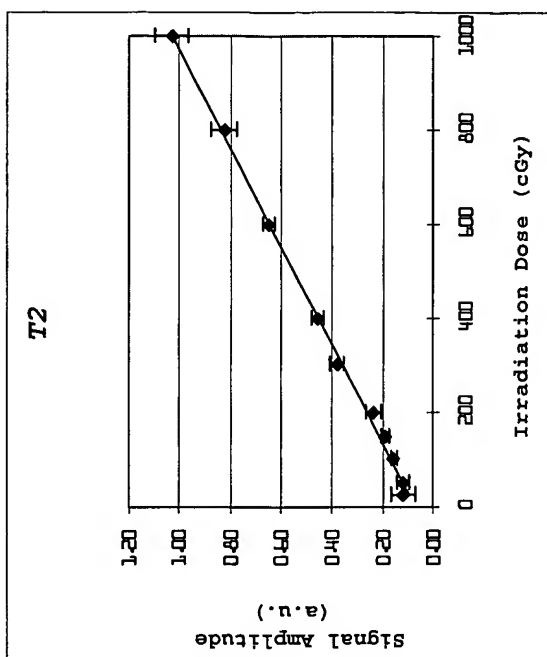


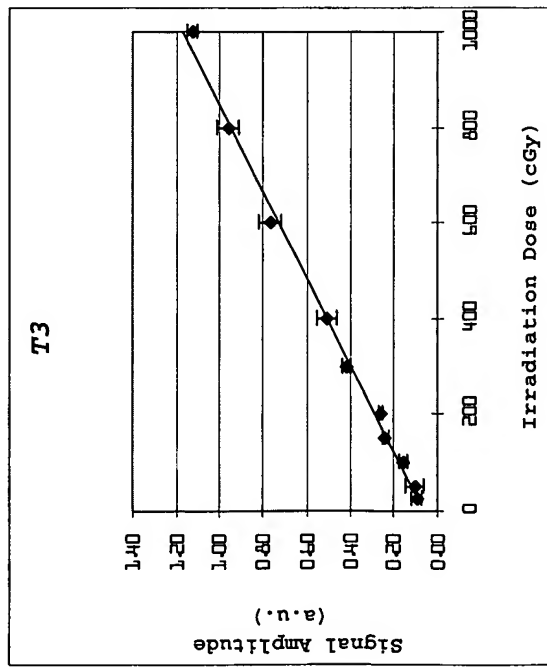
Fig. 20



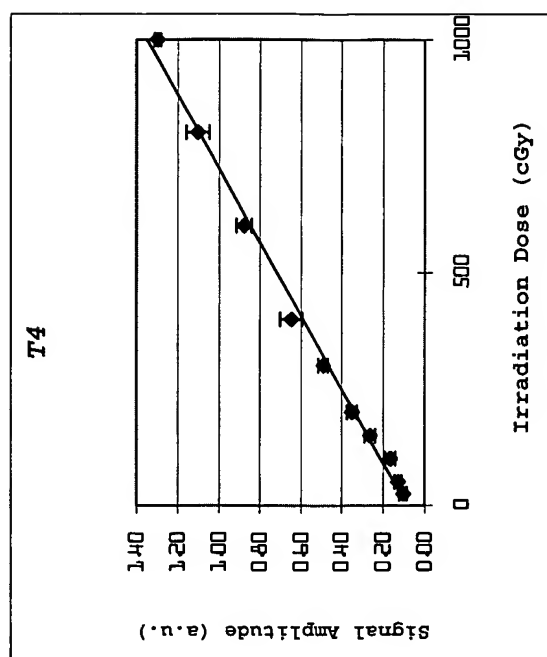
**Fig. 21A**



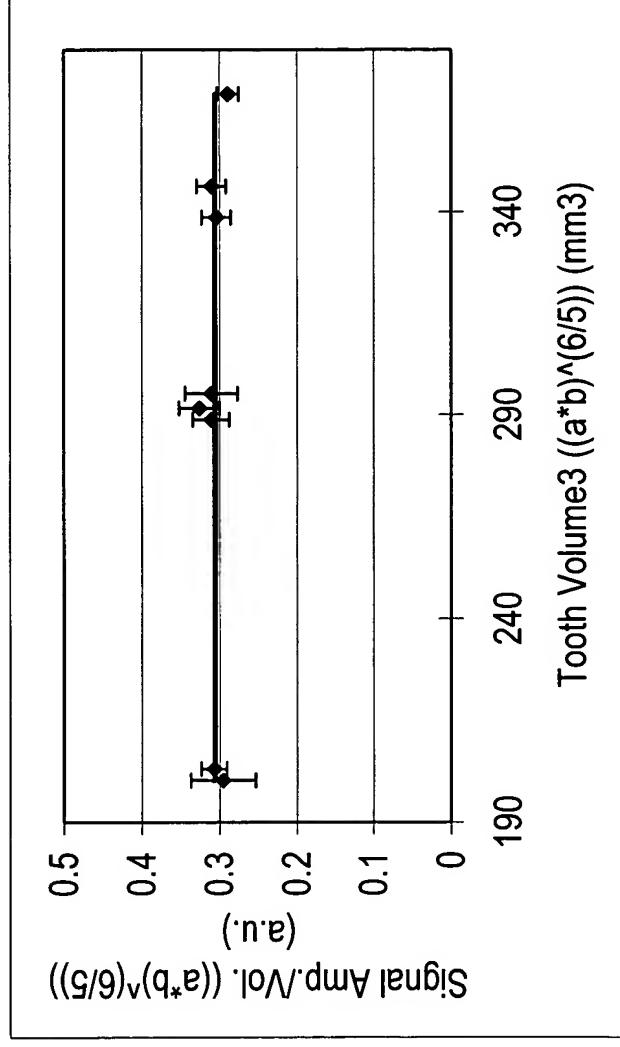
**Fig. 21B**



**Fig. 21C**

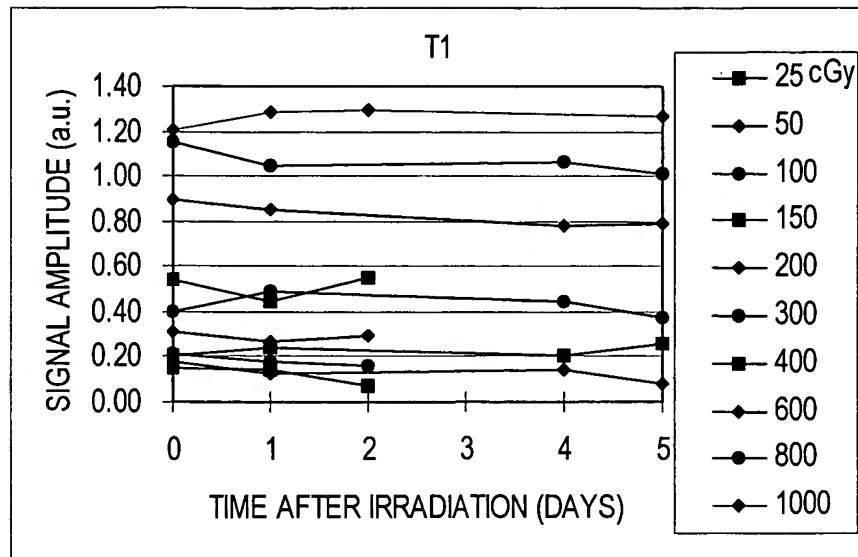


**Fig. 21D**

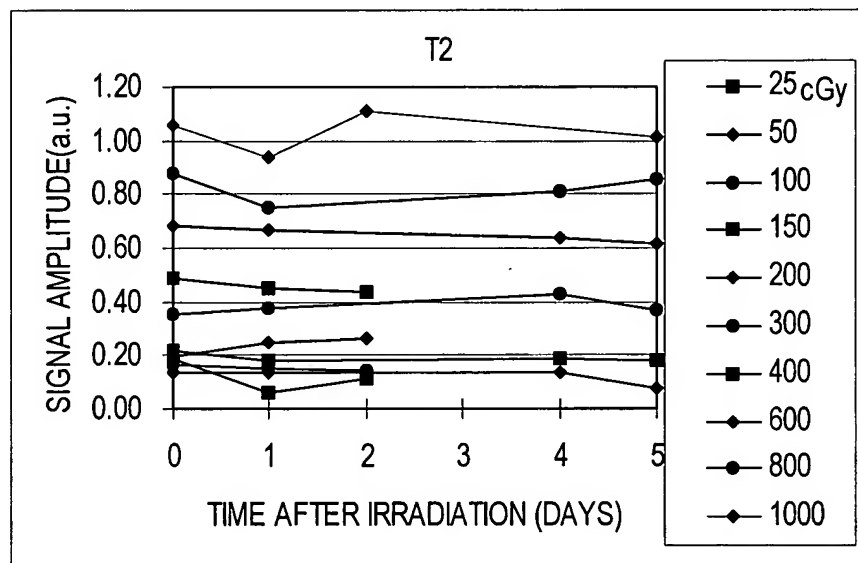


**Fig. 22**

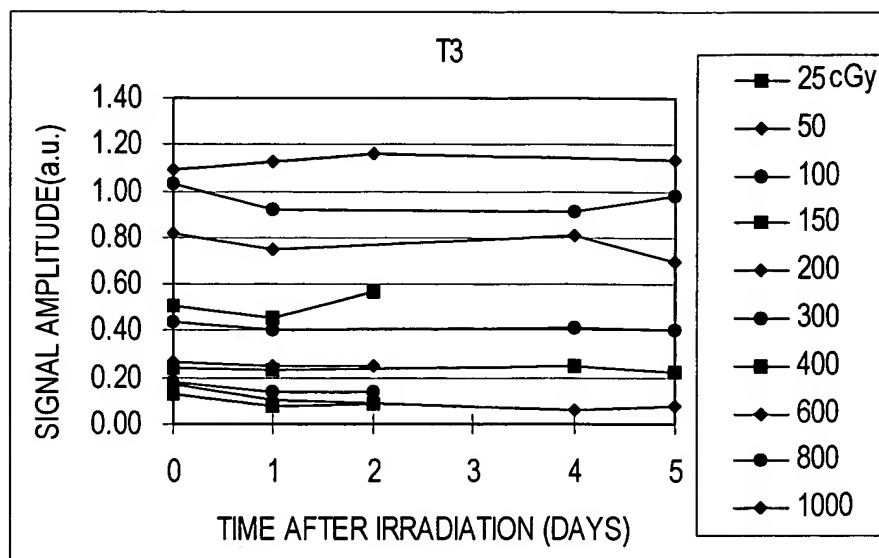
**Fig. 23A**



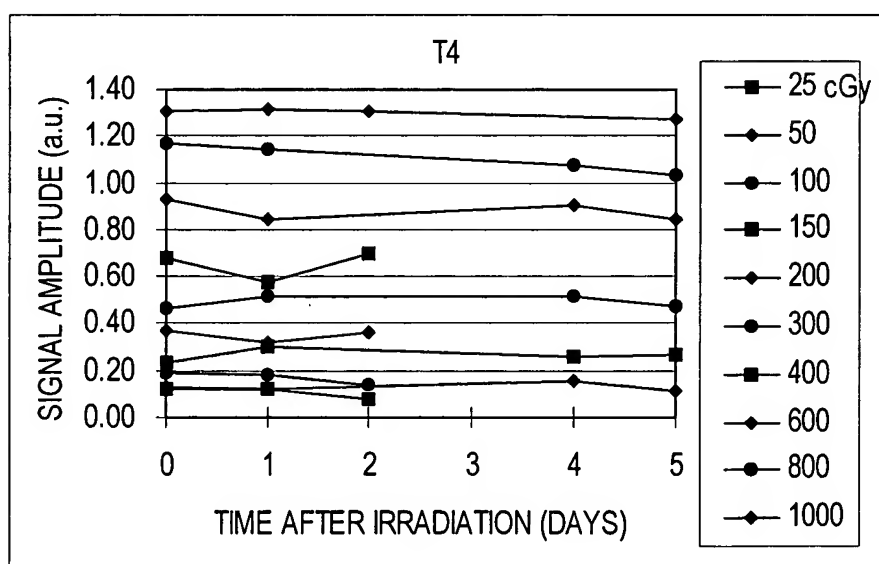
**Fig. 23B**



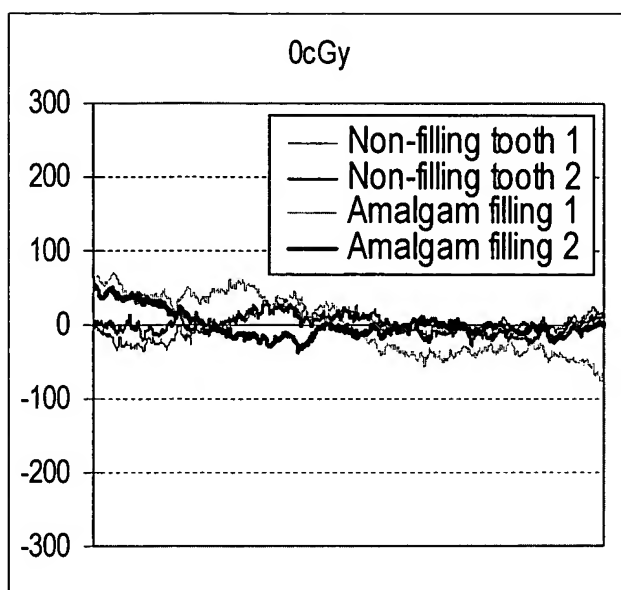
**Fig. 23C**



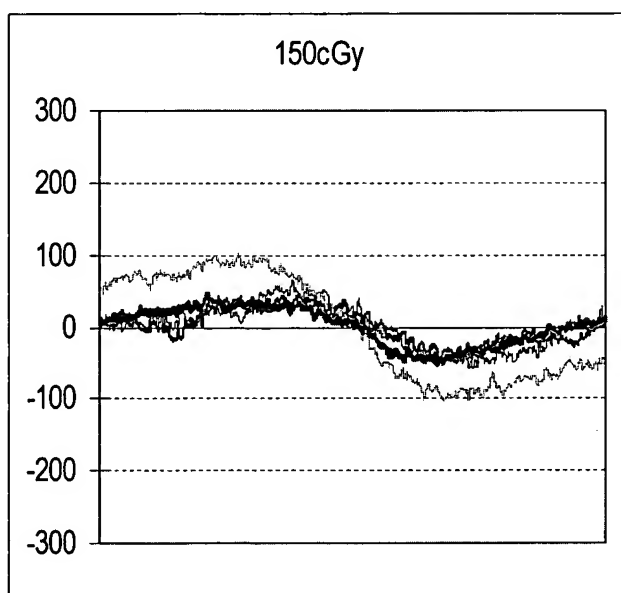
**Fig. 23D**



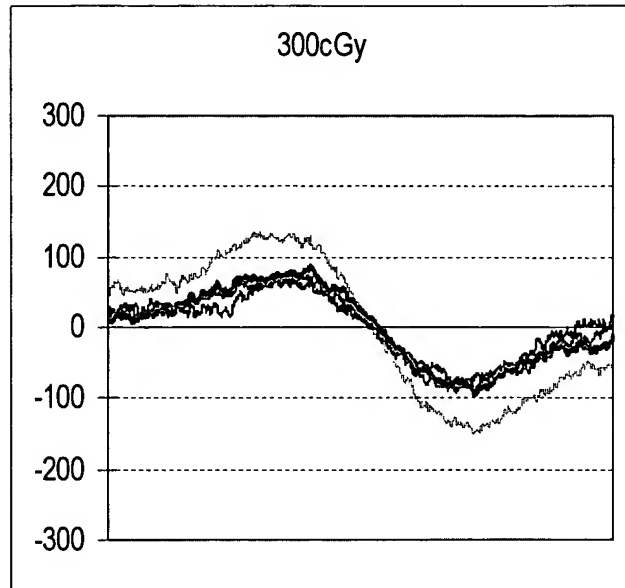
**Fig. 24A**



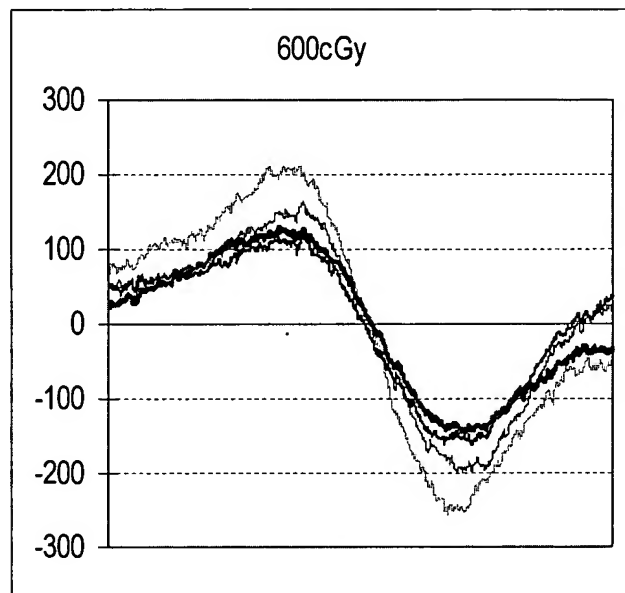
**Fig. 24B**



**Fig. 24C**

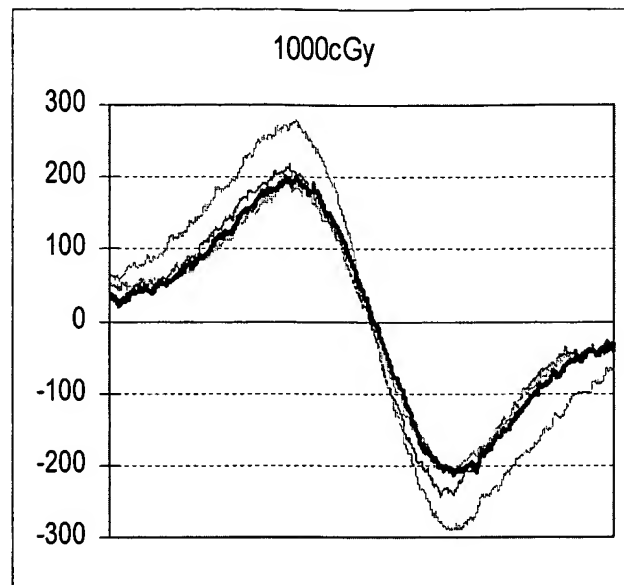


**Fig. 24D**





**Fig. 24E**



CLINICAL BRIDGE  
MICROWAVE POWER 0db  
MODULATION AMPLITUDE 3.0 Gs  
TIME CONSTANT 30ms  
SCN RANGE 20Gs  
SCAN TIME 10sec.  
ACCUMULATION No. 8 SCANS  
SAMPLE 3000 cGy IRR. TOOTH

	Signal	Noise	S/N
Extra Oral	2.35	0.147	15.99
Intra Oral	1.47	0.216	6.81

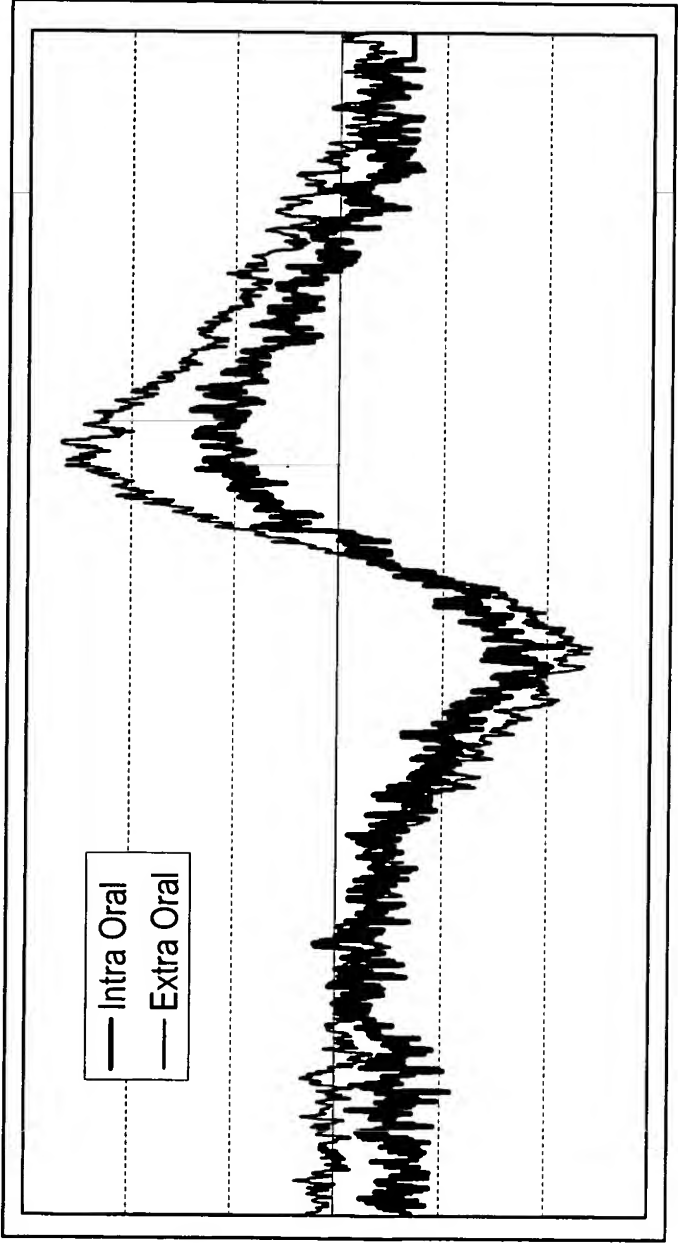
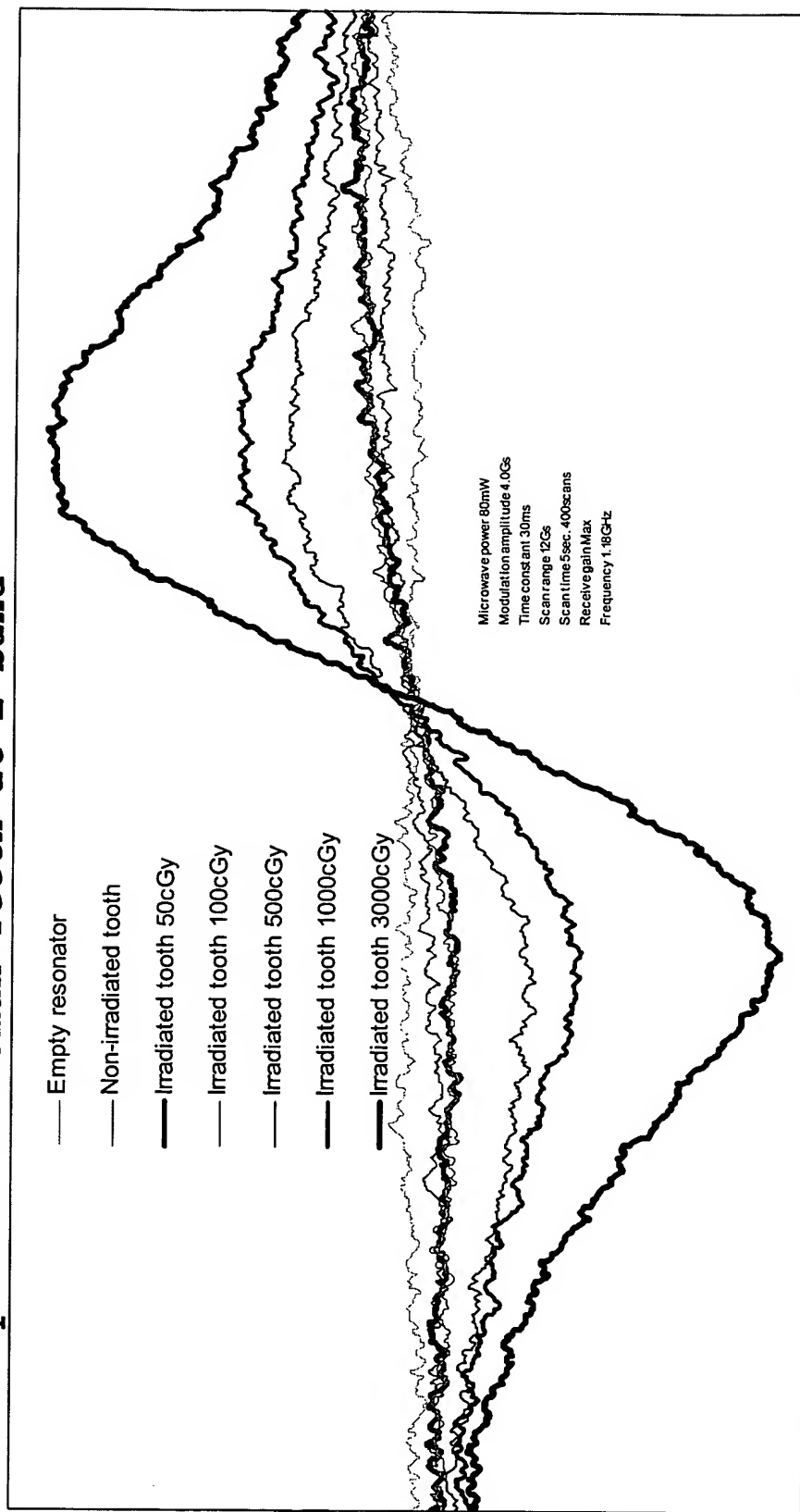


Fig. 25

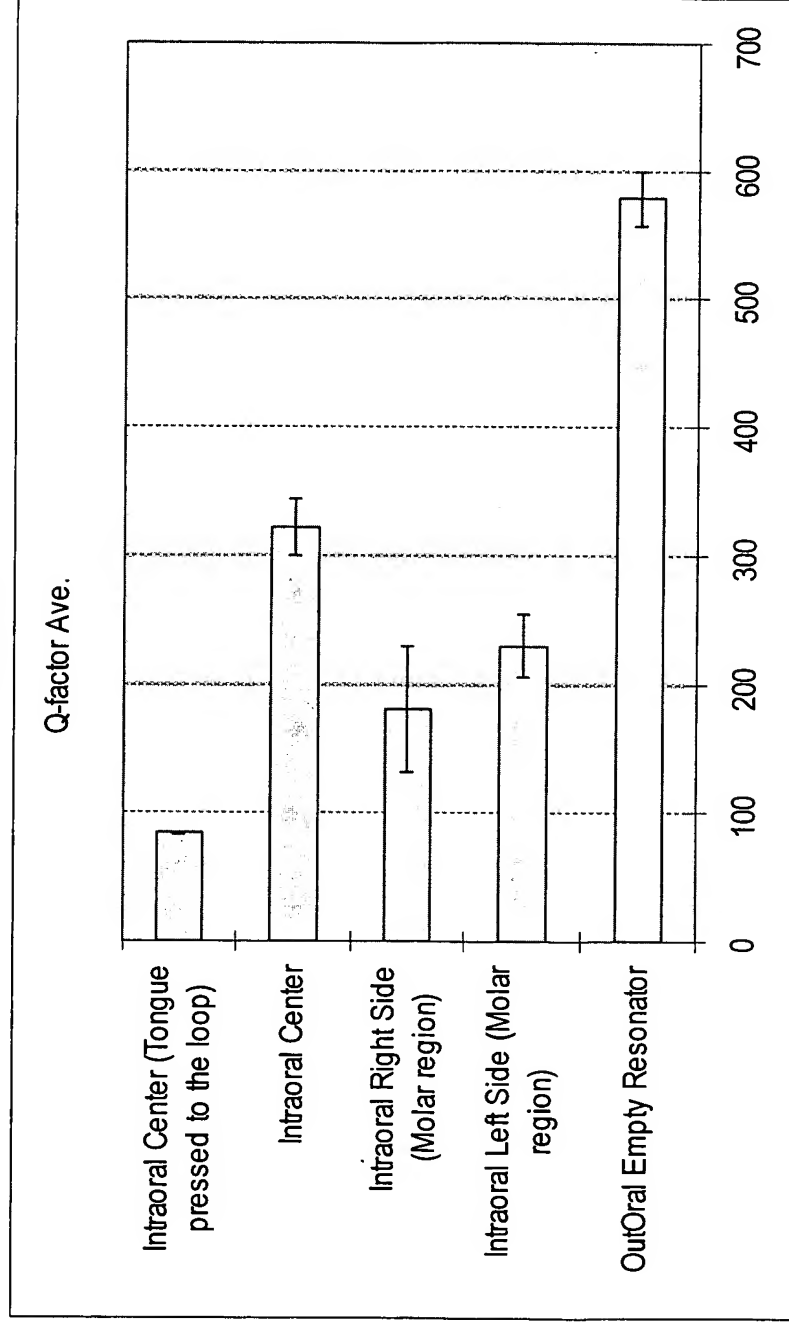
# *EPR Spectra of Human Teeth at L-band*



**Fig. 26**

	BW 1	BW 2	Q-factor 1	Q-factor 2	Q-factor Ave.	SD
OutOral Empty Resonator	1.95	2.1	600.00	557.1	578.57	21.43
Intraoral Left Side (Molar region)	4.6	5.7	254.35	205.3	229.81	24.54
Intraoral Right Side (Molar region)	5.1	8.9	229.41	131.5	180.44	48.98
Intraoral Center	3.4	3.9	344.12	300.0	322.06	22.06
Intraoral Center (Tongue pressed to the loop)	13.7	14.1	85.40	83.0	84.19	1.21

**Fig. 27A**



**Fig. 27B**

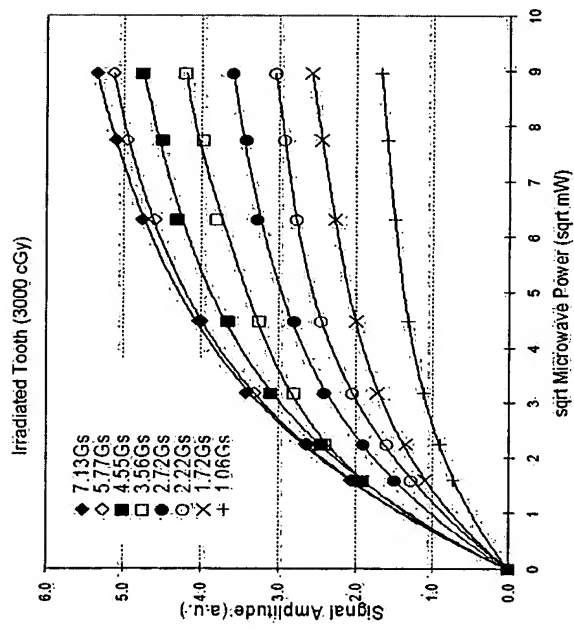


Fig. 28A

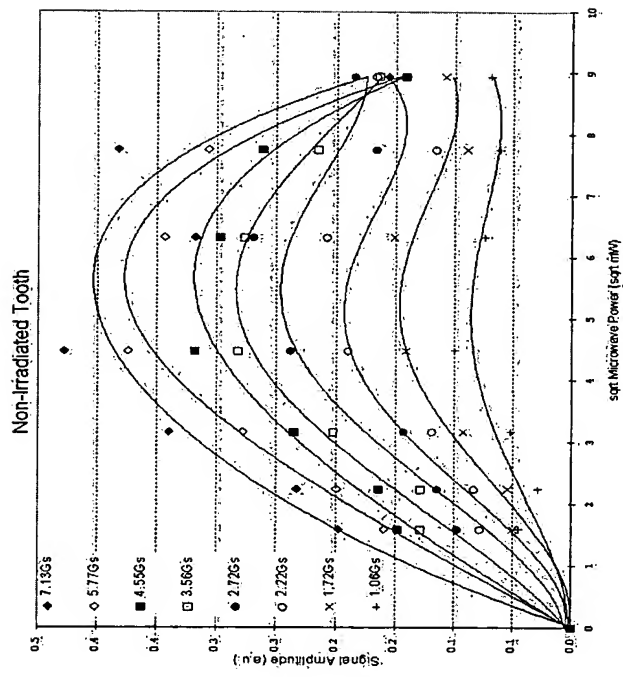


Fig. 28B

NORMALIZED BY TOOTH DIMENSION (a\*b)

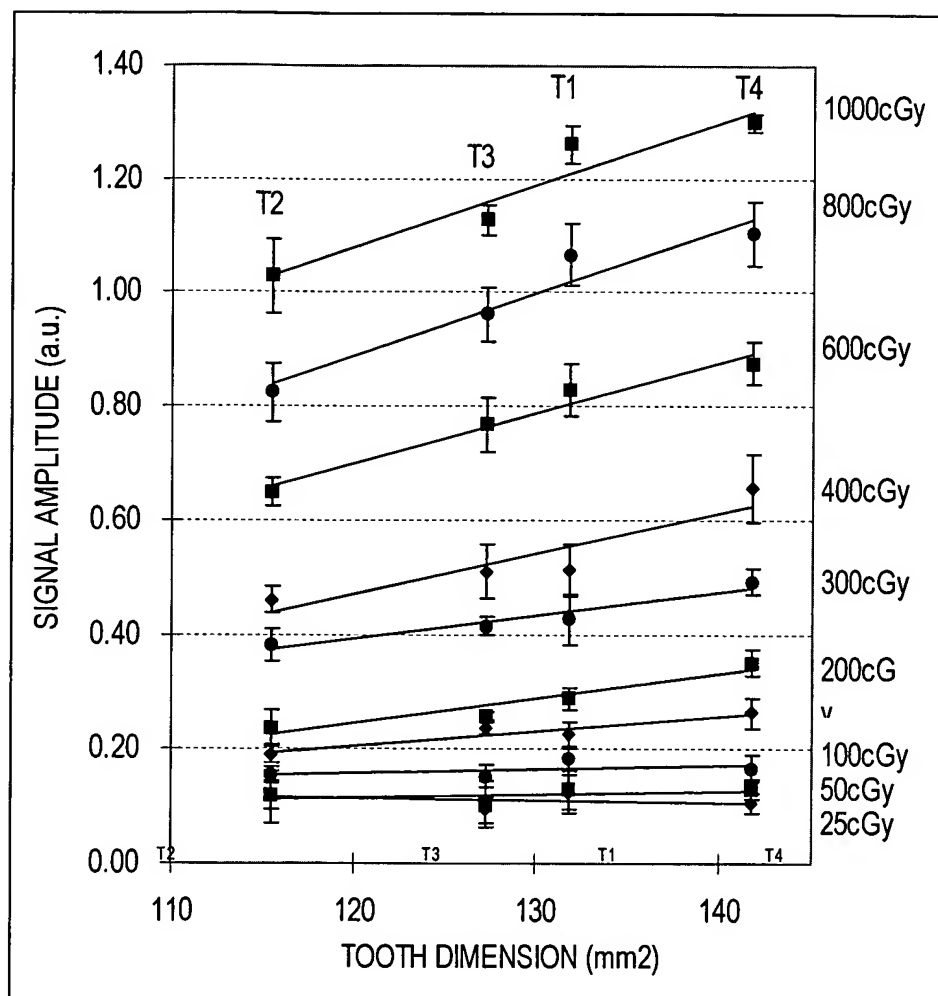
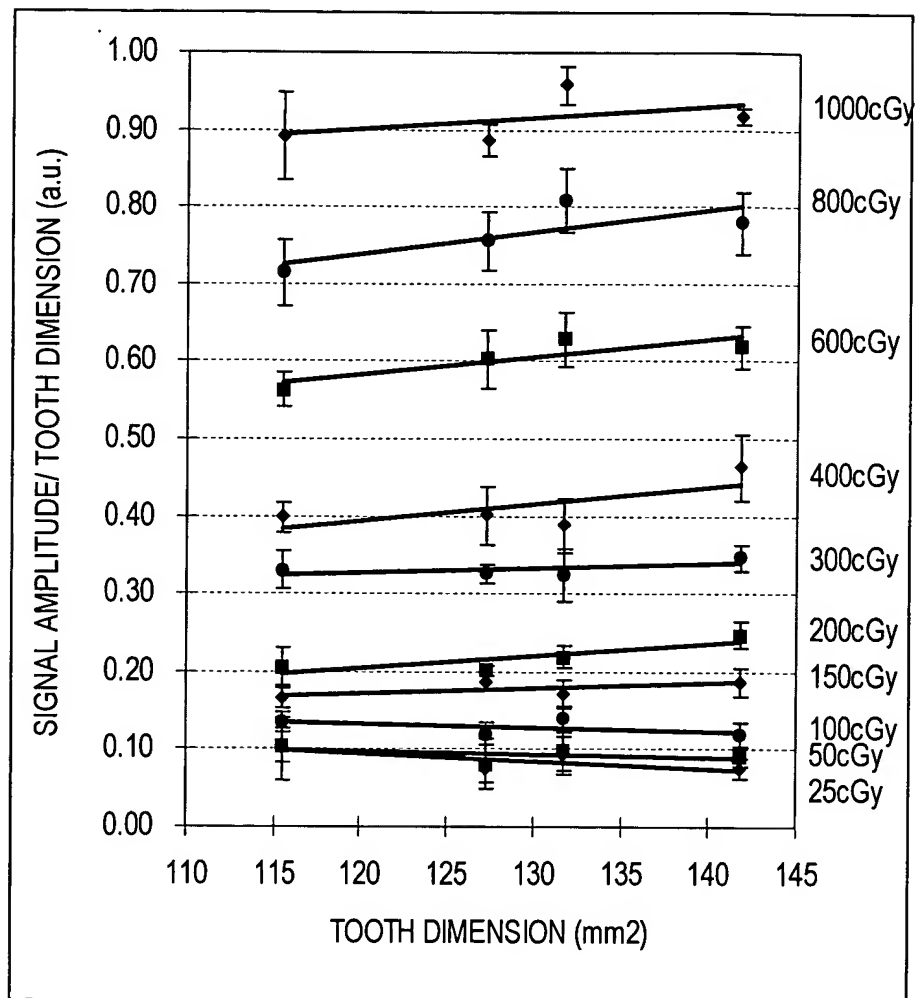


Fig. 29A

NORMALIZED BY TOOTH DIMENSION (a\*b)



**Fig. 29 B**

NORMALIZED BY  $((a*b)^{6/5})$

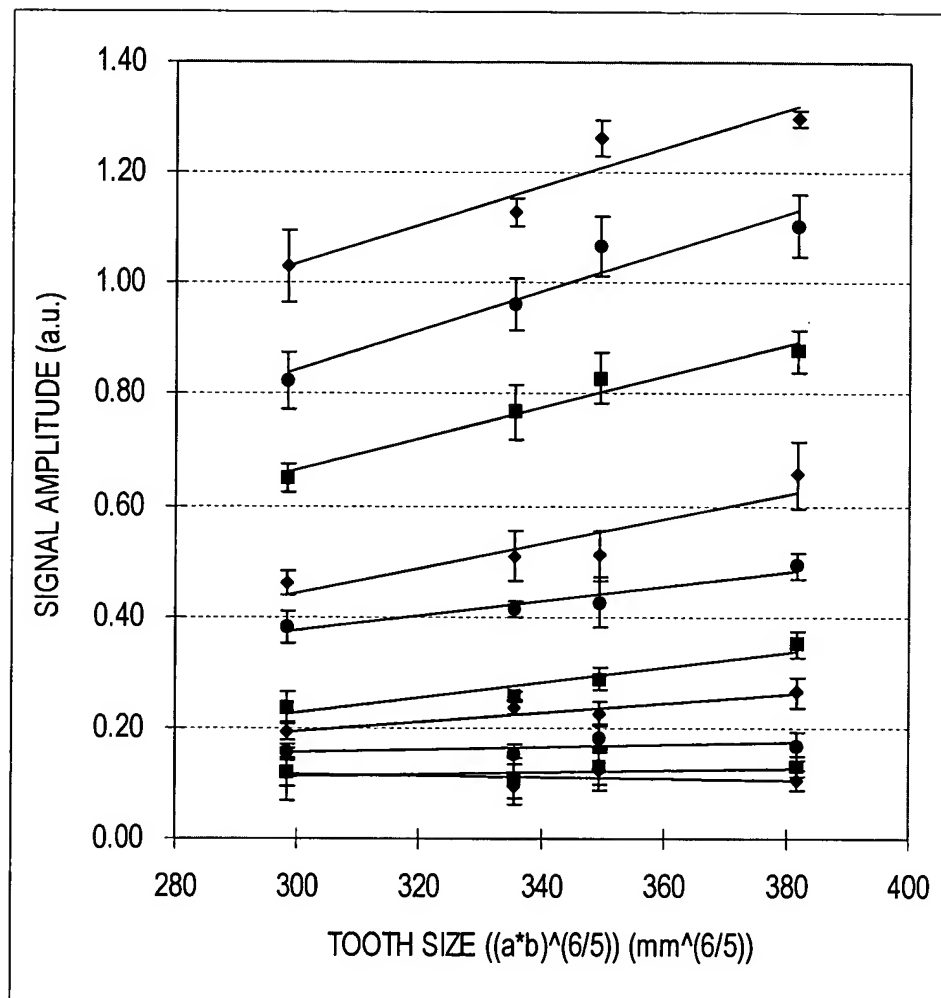
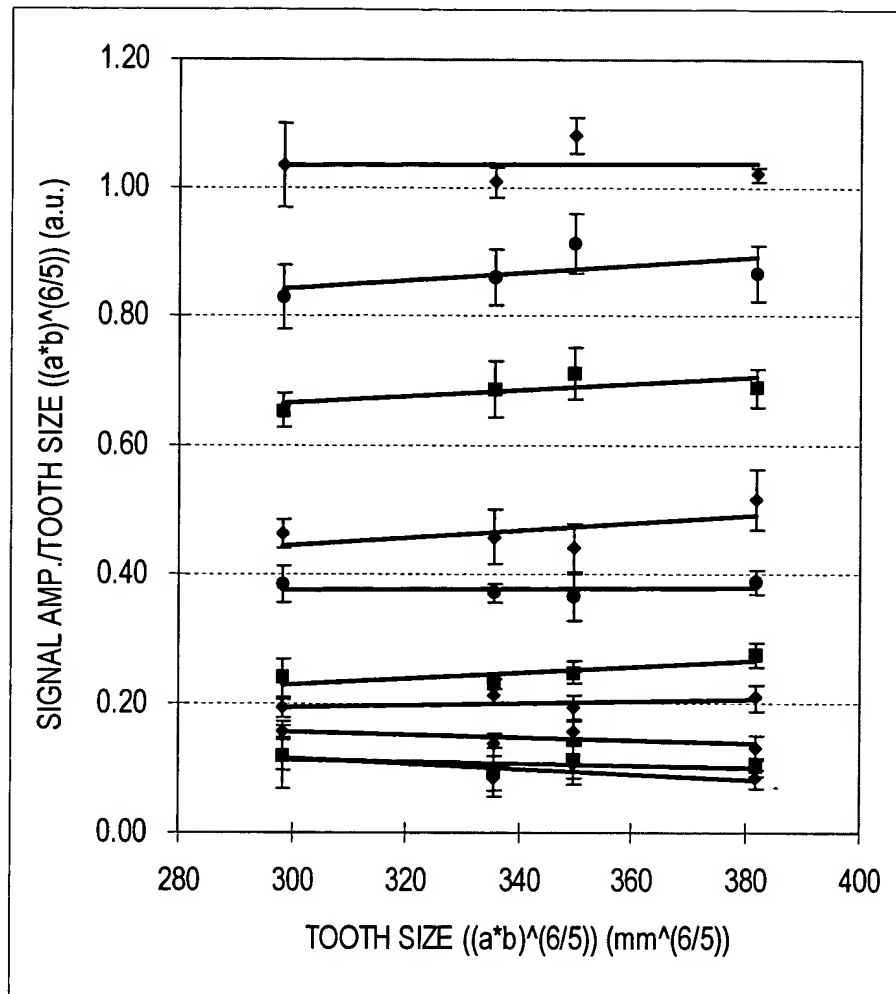


Fig. 29C



NORMALIZED BY  $((a*b)^{6/5})$



**Fig. 29D**

EPR Spectra of Human Tooth at L-band

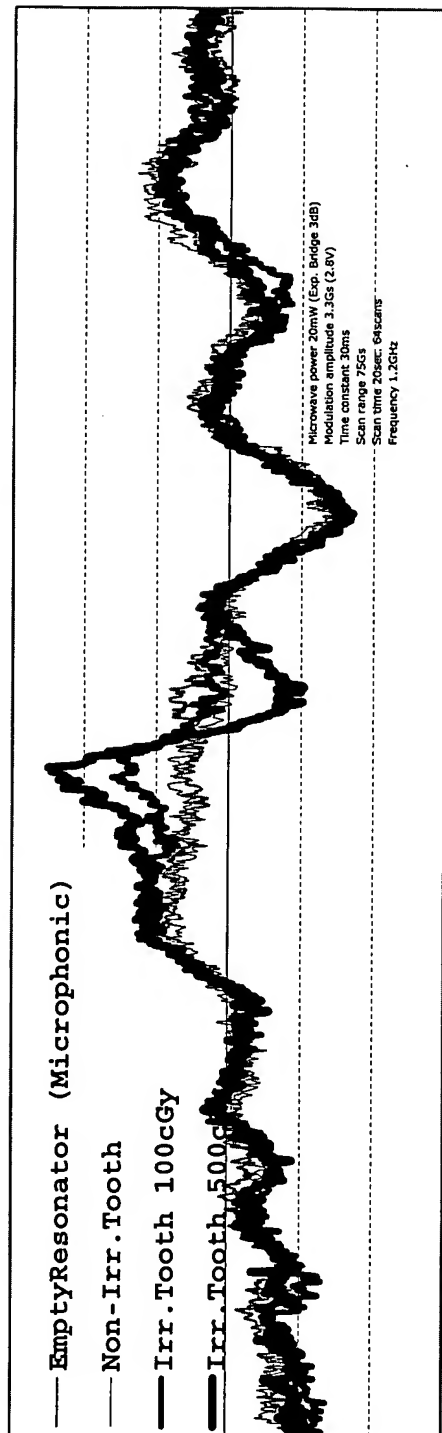


Fig. 30A

EPR Spectra of Human Teeth at L-Band  
 (After Subtraction)

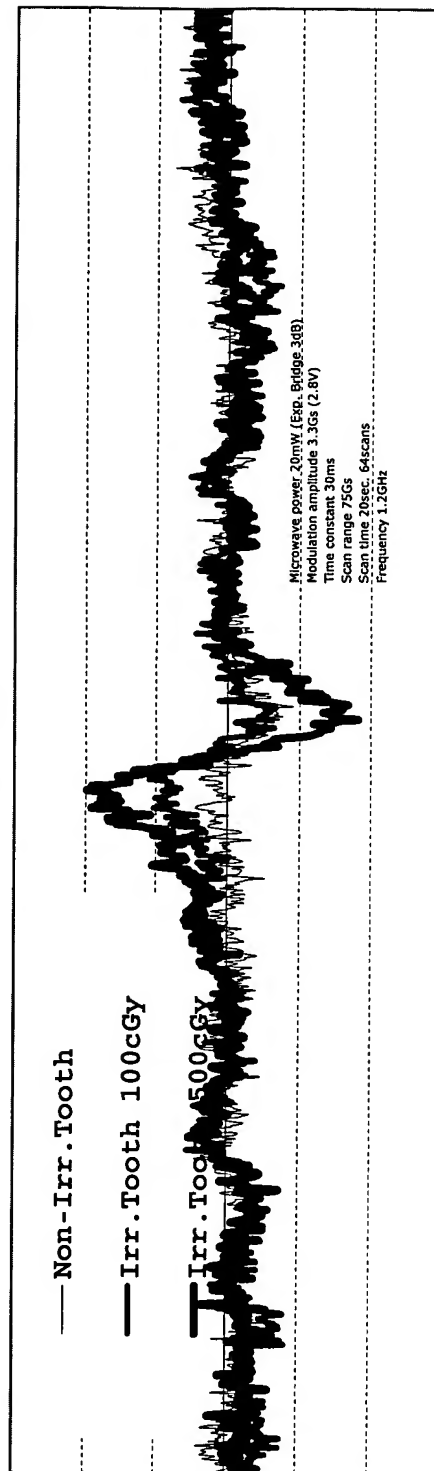


Fig. 30B

Fig. 31A

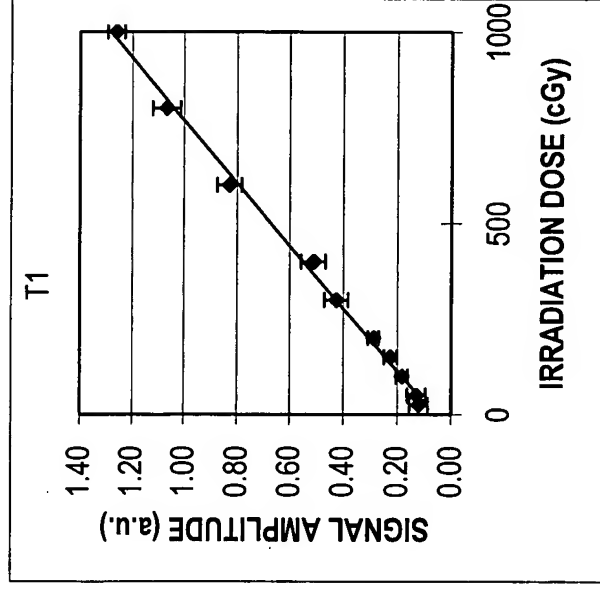


Fig. 31B

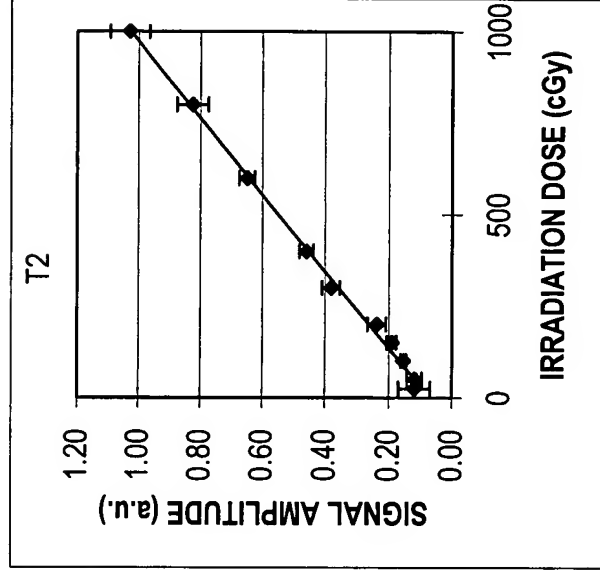


Fig. 31C

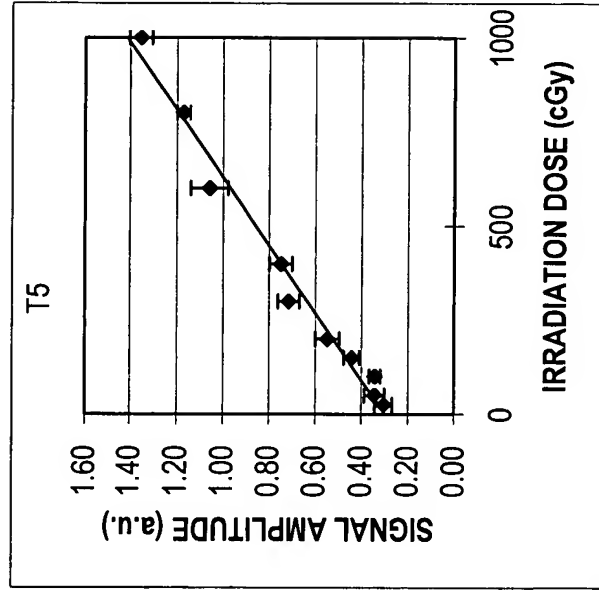


Fig. 31D

